

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



ROSS BROS. CO.

SEEDS

...♦♦♦...

IMPLEMENT

1929

ROSS BROTHERS COMPANY
179-181 Commercial Street
WORCESTER, MASS.

D. N. Shoemaker
Vegetable Seed Trials

MAR 6 1929

ROSS BROS. COMPANY

179-181 Commercial Street

WORCESTER, MASS.

January, 1929

For nearly forty years we have been sending to you our silent salesman in the form of this yearly seed and implement catalogue and it has always been our aim to include such information as may be of assistance to the thousands of our customers in making a selection of seeds, tools and implements that will be best suited to their needs and which will prove most satisfactory at harvest time.

The pictures used to illustrate the different varieties and types of vegetables and flowers are reproduced from photographs and show the true types as produced with normal conditions. Cultural directions are given in many instances and we trust these will be of benefit to those who are unfamiliar with gardening.

The seeds and bulbs listed have been grown especially for us by the best and most experienced growers in the world, each variety having been produced in that section which is best suited to grow seed of the highest quality. We do not hesitate to recommend the use of any of the varieties listed and suggest that customers select such as are best adapted to their particular geographical location.

We wish to serve again the many thousands of customers whom we have supplied for years and shall deem it a pleasure to add many new ones to our list during the coming season.

Our Slogan:

EVERYBODY KNOWS ROSS' SEED GROWS

The attention of our customers is respectfully called to the following directions, which if followed will be an aid to purchasers as well as ourselves.

ORDER EARLY—We endeavor to fill all orders as soon as received, but during the rush season of April and May, delays are sometimes unavoidable. This, however, can be partly overcome if our patrons will send us their orders early.

FREE DELIVERY—We deliver postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, quarter pounds and pounds, at prices quoted in this catalogue for such quantities. If larger quantities are wanted by Parcel Post, postage MUST BE SENT. See Parcel Post rates.

GRAZ AND FIELD SEEDS—All Grass and Field Seeds. Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F. O. B. Worcester. Small quantities of Grass or Field Seeds sent by Parcel Post if postage is added at parcel post rates.

DO NOT ORDER LARGE, HEAVY LOTS OF SEEDS SENT BY EXPRESS unless you are certain that you are willing to pay the express charges, which, even with the reduction now made on such shipments by the express companies, are much more than freight charges.

But do not order a few pounds of seeds sent by freight which could be sent as cheaply, more safely, and which would reach you much sooner if sent by express.

NOTICE—While it is not our custom to substitute, we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege, for, if on receipt of any substitute it is not perfectly satisfactory, the same may be returned and money paid will be refunded.

IF GOODS ARE WANTED BY PARCEL POST, POSTAGE MUST BE ADDED AS PER TABLE, EXCEPT FOR THOSE QUANTITIES OF SEEDS WE OFFER TO DELIVER FREE.

FOR LARGE ORDERS, remittances should be made by Express Money Orders, P. O. Money Order, Bank Draft, or Registered Letter, all of which are inexpensive and absolutely safe.

Telegraph your order with Western Union Money Transfer and goods will be shipped same day order is received.

PLEASE do not send stamps unless necessary as they often reach us in an unusable condition.

PERSONAL CHECKS. If personal checks are used they should be certified otherwise shipment of your order may be delayed pending collection.

NAME AND ADDRESS SHOULD ALWAYS BE GIVEN. Frequently we receive unsigned letters. Sometimes they contain money and orders. Sometimes, too, letters are received in which the name of the town is left out and the postmark is blurred. We cannot fill orders unless we know the name and address of the buyer. The easiest way for you is to use our order sheet filling in the blanks.

ERRORS—We use the utmost care in filling orders, yet in the press of business, errors sometimes occur in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory.

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control such as unfavorable weather or soil conditions, too deep or too shallow planting, which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will under proper conditions, produce satisfactory results. The Ross Bros. Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds (bulbs or plants) it sells and will not be responsible for the crop.

Lbs.	Local	Weight								ZONES							
		1st-2d	3d	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	
1..	\$0.07	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.12	\$0.13	\$0.14	\$0.15	\$0.16	\$0.18	\$0.22	\$0.25	\$0.27	\$0.30	
2..	.08	.08	.10	.12	.15	.18	.22	.25	.28	.30	.33	.36	.39	.42	.45	.48	
3..	.08	.09	.12	.16	.21	.26	.32	.37	.42	.47	.52	.57	.62	.67	.72	.78	
4..	.09	.10	.14	.20	.27	.34	.42	.49	.57	.64	.73	.82	.92	.97	.1.04	.1.12	
5..	.09	.11	.16	.24	.33	.42	.52	.61	.72	.82	.92	.1.02	.1.12	.1.21	.1.30	.1.33	
6..	.10	.12	.18	.28	.39	.50	.62	.73	.85	.98	.1.05	.1.22	.1.45	.1.66	.1.82	.1.97	
7..	.10	.13	.20	.32	.45	.58	.72	.85	.98	.1.05	.1.22	.1.45	.1.66	.1.82	.1.97	.2.05	
8..	.11	.14	.22	.36	.51	.66	.82	.97	.1.09	.1.17	.1.32	.1.49	.1.66	.1.82	.1.97	.2.10	
9..	.11	.15	.24	.40	.57	.74	.92	.1.09	.1.20	.1.28	.1.45	.1.62	.1.80	.1.97	.2.12	.2.30	
10..	.12	.16	.26	.44	.63	.82	.98	.1.09	.1.20	.1.32	.1.45	.1.62	.1.80	.1.97	.2.12	.2.30	
11..	.12	.17	.28	.48	.69	.90	.1.12	.1.33	.1.45	.1.60	.1.80	.2.00	.2.20	.2.40	.2.60	.2.80	
12..	.13	.18	.30	.52	.75	.98	.1.22	.1.45	.1.55	.1.70	.1.90	.2.10	.2.30	.2.50	.2.70	.2.95	
13..	.13	.19	.32	.56	.81	.1.06	.1.32	.1.57	.1.68	.1.85	.2.05	.2.25	.2.45	.2.65	.2.85	.3.05	
14..	.14	.20	.34	.60	.87	.1.14	.1.42	.1.69	.1.80	.1.97	.2.15	.2.35	.2.55	.2.75	.2.95	.3.15	
15..	.14	.21	.36	.64	.93	.1.22	.1.52	.1.81	.1.92	.2.05	.2.25	.2.45	.2.65	.2.85	.3.05	.3.25	
16..	.15	.22	.38	.68	.99	.1.30	.1.62	.1.93	.2.05	.2.25	.2.50	.2.75	.3.00	.3.25	.3.50	.3.75	
17..	.15	.23	.40	.72	1.05	1.38	1.72	2.05	2.25	2.50	2.80	3.10	3.40	3.70	4.00	4.30	
18..	.16	.24	.42	.76	1.11	1.46	1.82	2.17	2.40	2.65	2.95	3.25	3.55	3.85	4.15	4.45	
19..	.16	.25	.44	.80	1.17	1.54	1.92	2.29	2.55	2.80	3.05	3.35	3.65	3.95	4.25	4.55	
20..	.17	.26	.46	.84	1.23	1.62	2.02	2.41	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80	
21..	.17	.27	.48	.88	1.29	1.70	2.12	2.53	2.80	3.10	3.40	3.70	4.00	4.30	4.60	4.90	
22..	.18	.28	.50	.92	1.35	1.78	2.22	2.65	2.90	3.20	3.50	3.80	4.10	4.40	4.70	5.00	
23..	.18	.29	.52	.96	1.41	1.86	2.32	2.77	3.00	3.30	3.60	3.90	4.20	4.50	4.80	5.10	
24..	.19	.30	.54	1.00	1.47	1.94	2.42	2.89	3.10	3.40	3.70	4.00	4.30	4.60	4.90	5.20	
25..	.19	.31	.56	1.04	1.53	2.02	2.52	3.01	3.20	3.50	3.80	4.10	4.40	4.70	5.00	5.30	
26..	.20	.32	.58	1.08	1.59	2.10	2.62	3.13	3.30	3.60	4.00	4.40	4.80	5.20	5.60	6.00	
27..	.20	.33	.60	1.12	1.65	2.18	2.72	3.25	3.45	3.80	4.20	4.60	5.00	5.40	5.80	6.20	
28..	.21	.34	.62	1.16	1.71	2.26	2.82	3.37	3.55	3.90	4.30	4.70	5.10	5.50	5.90	6.30	
29..	.21	.35	.64	1.20	1.77	2.34	2.92	3.49	3.65	4.00	4.40	4.80	5.20	5.60	6.00	6.40	
30..	.22	.36	.66	1.21	1.83	2.42	3.02	3.61	3.80	4.10	4.50	4.90	5.30	5.70	6.10	6.50	
31..	.22	.37	.68	1.28	1.89	2.50	3.12	3.73	3.90	4.20	4.60	5.00	5.40	5.80	6.20	6.60	
32..	.23	.38	.70	1.32	1.95	2.58	3.22	3.85	4.00	4.30	4.70	5.10	5.50	5.90	6.30	6.70	
33..	.23	.39	.72	1.36	2.01	2.66	3.32	3.97	4.10	4.40	4.80	5.20	5.60	6.00	6.40	6.80	
34..	.24	.40	.74	1.40	2.07	2.74	3.42	4.09	4.20	4.50	4.90	5.30	5.70	6.10	6.50	6.90	
35..	.24	.41	.76	1.44	2.13	2.82	3.52	4.21	4.30	4.60	5.00	5.40	5.80	6.20	6.60	7.00	
36..	.25	.42	.78	1.48	2.19	2.90	3.62	4.33	4.40	4.70	5.10	5.50	5.90	6.30	6.70	7.10	
37..	.25	.43	.80	1.52	2.25	2.98	3.72	4.45	4.50	4.80	5.20	5.60	6.00	6.40	6.80	7.20	
38..	.26	.44	.82	1.56	2.31	3.06	3.82	4.57	4.60	4.90	5.30	5.70	6.10	6.50	6.90	7.30	
39..	.26	.45	.84	1.60	2.37	3.14	3.92	4.69	4.70	5.00	5.40	5.80	6.20	6.60	7.00	7.40	
40..	.27	.46	.86	1.64	2.43	3.22	4.02	4.81	4.80	5.10	5.50	5.90	6.30	6.70	7.10	7.50	
41..	.27	.47	.88	1.68	2.49	3.30	4.12	4.93	4.90	5.20	5.60	6.00	6.40	6.80	7.20	7.60	
42..	.28	.48	.90	1.72	2.55	3.38	4.22	5.05	5.00	5.30	5.70	6.10	6.50	6.90	7.30	7.70	
43..	.28	.49	.92	1.76	2.61	3.46	4.32	5.17	5.05	5.35	5.75	6.15	6.55	6.95	7.35	7.75	
44..	.29	.50	.94	1.80	2.67	3.54	4.42	5.29	5.10	5.40	5.80	6.20	6.60	7.00	7.40	7.80	
45..	.29	.51	.96	1.84	2.73	3.62	4.52	5.41	5.20	5.50	5.90	6.30	6.70	7.10	7.50	7.90	
46..	.30	.52	.98	1.88	2.79	3.70	4.62	5.53	5.30	5.60	6.00	6.40	6.80	7.20	7.60	8.00	
47..	.30	.53	1.00	1.92	2.85	3.78	4.72	5.65	5.40	5.70	6.10	6.50	6.90	7.30	7.70	8.10	
48..	.31	.54	1.02	1.96	2.91	3.86	4.82	5.77	5.55	5.85	6.25	6.65	7.05	7.45	7.85	8.25	
49..	.31	.55	1.04	2.00	2.97	3.94	4.92	5.89	5.70	6.00	6.40	6.80	7.20	7.60	8.00	8.40	
50..	.32	.56	1.06	2.04	3.03	4.02	5.02	6.01	5.80	6.10	6.50	6.90	7.30	7.70	8.10	8.50	
51..	.32	.57	1.08														
52..	.33	.58	1.10														
53..	.33	.59	1.12														
54..	.34	.60	1.14														
55..	.34	.61	1.16														
56..	.35	.62	1.18														
57..	.35	.63	1.20														
58..	.36	.64	1.22														
59..	.36	.65	1.24														
60..	.37	.66	1.26														
61..	.37	.67	1.28														
62..	.38	.68	1.30														
63..	.38	.69	1.32														
64..	.39	.70	1.34														
65..	.39	.71	1.36														
66..	.40	.72	1.38														
67..	.40	.73	1.40														
68..	.41	.74	1.42														
69..	.41	.75	1.44														
70..	.42	.76	1.46														

IMPORTANT
In remitting postage always add it to foot of the Order as a separate item—this will help to avoid mistakes.

ROSS BROS. CO.

179-181 Commercial St., WORCESTER, MASS.

Date 19

Send to M

(Write name and address plainly)

Street

R.F.D. No

Post Office

County

Express or Freight Address

State

Ship by Freight..... Express..... Parcel Post..... (check which way)

AMOUNT SENT

M. Q.

Check

Cash

Stamps

Total

ROSS BROTHERS COMPANY gives no warranty, expressed or implied, as to description, purity, productiveness or any other matter of any Seeds, Bulbs or Plants it sends out, and it will not be in any way responsible for the crop.





EVERYBODY KNOWS

Ross' Seed Grows



Flower Seed Specialties for 1929

New Forcing Calendula Campfire

252 A distinct new type originating from a mutation from the florist's strain of Orange King. It is of vigorous growth, the flowers borne on stout stems, needing little disbudding. The blooms are flat and are undoubtedly larger than those of any type previously introduced. The color of the petal is brilliant orange with a scarlet sheen with full yellow center. This type has been thoroughly tested under glass, and has been accepted as the best orange forcing Calendula for florist's use. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Aster

CALIFORNIA GIANT DOUBLE. We take pleasure in recommending this type as the best Aster on the market today. Characterized by the well known Crego or Ostrich Feather type of flower, combined with the Beauty Aster's long non-lateral branching stems and sturdy habit of growth, the California Giant Double type of Aster stands at the head of the list, not only for florist's use, but also for private gardens where quality is appreciated.

8 White, new, fine. 9 Peach Blossom. 10 Light Blue. 11 Light Purple. 12 Deep Rose. 13 Dark Purple. Pkt. 10 cts., $\frac{1}{16}$ oz. 30 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 90 cts.
14 Mixture of above. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.40.

Pansy

780 **ROSS' SELECTED GIANT MIXED.** This is one of the finest strains known, the flowers being of perfect form and richest colors. A Giant Pansy, excellent for growing in the frame or out of doors. Pkt. 50 cts., $\frac{1}{16}$ oz. \$1.00, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.25, oz. \$12.00.

Giant Spencer Varieties of Sweet Peas

AUSTIN FREDERICK IMPROVED. A very large and long stemmed rosy lavender. This is the most vigorous growing lavender and produces a wealth of fine blossoms. The flowers are nicely waved and borne on long stout stems. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

AVALANCHE. The very best white seeded white. This grand white is outstanding because of the thick texture of the petals and the pureness of the color. It is a strong grower and a most satisfactory flower from all angles. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

MRS. TOM JONES. Deep amethyst blue, very fine form, the best of the deep blues. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

See Pages 63 and 64 for complete list of Sweet Peas.

Zinnia New Giant Dahlia Flowered The "Gold Medal" Collection

1366 **BUTTERCUP.** Creamy yellow.
1368 **CRIMSON MONARCH.** A good red shade.
1370 **DREAM.** Deep lavender.
1372 **EXQUISITE.** Light rose, center deep rose.

1374 **ORIOLE.** Orange and gold bicolor.
1376 **OLD ROSE.** The real old rose shade.
1378 **POLAR BEAR.** Pure white.
1380 **SPECIAL MIXTURE.** Containing all the above novelties.

Each of the above 25 cts. per pkt. 6 pkts. for \$1.00.

See page 65 for complete list of Zinnias.



Campfire Calendula

PINKIE. It is by comparison the largest of all we have ever seen in the Deep Pink section of accepted, preferred varieties. A most vigorous grower, producing on long stout stems well waved, nicely placed flowers of a beautiful rose pink shade. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

PRINCE OF ORANGE. This, like all orange colored varieties, requires shading, but this extra labor is amply repaid by the brilliant, rich color. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

SUNKIST. This is a large rose picotee, edged on cream ground, giving a very beautiful effect, especially when used for table decorations. The large bold flowers are well waved and borne on good, stout stems. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.



Specialties in Vegetable Seeds

Beans

PENCIL POD WAX. This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The plants are strong growing with roughened leaves. The pods are long, five and one-half to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless and are produced through a long season. Seed long, round, medium sized, solid black. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

FRENCH'S HORTICULTURAL. This is a bean of the horticultural type which has been grown quite extensively in some localities by the Market Gardeners for a number of years. The vines are compact and of upright growth; almost always sending out runners to a height of one and one-half to two feet, but do not climb a pole and are not of sufficient length to affect the bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

Beet

EARLY WONDER. One of the earliest and most perfectly shaped beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

CROSBY'S EARLY EGYPTIAN EXTRA-SELECTED STRAIN. For several years we have given this especial attention and have largely succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth and a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

Carrot

DANVERS HALF LONG. A well known rich orange red variety, very smooth and handsome, producing extra heavy crops. An excellent market variety; crisp, sweet and tender. Although the roots are short, they produce as large a bulk as the longer field sorts and are more easily harvested. This variety has yielded 25 tons per acre. We have given this our special attention and offer at this time as good strain of seed as is possible to obtain. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 45 cts., 1 lb. \$1.50.**

PERFECTION. This new introduction which is best described as a blunt ended James Intermediate is almost entirely free from core. Flesh is strikingly deep red, tender and very delicate. The roots are rather long and comparatively thick, whereas tops are very small. Grows very uniform. Produces a heavy crop of roots which can be easily kept in prime condition throughout the winter. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$2.00.**

Celery

GOLDEN SELF-BLANCHING. The most popular variety for market, easily blanched, very attractive, of good quality, though not equal to some of the green celeries.

TRUE FRENCH-GROWN SEED. **Pkt. 20 cts., 1/2 oz. 65 cts., oz. \$1.25, 1/4 lb. \$4.00.**

Corn, Sweet

GOLDEN SUNSHINE. The earliest of the Golden Bantam type, maturing a week to ten days earlier than that variety; more dwarf in habit than Bantam, with ears $6\frac{1}{2}$ inches long, containing 12 rows of broad, yellow, sweet grains; especially desirable for its extreme earliness. **Pkt. 20 cts., 1b. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

WHIPPLE'S EARLY YELLOW. Twice the size of Golden Bantam and matures about the same time, grows ears 7 to 8 inches long and 12 to 16 rowed, with often two ears to one stalk. Quality is unequalled. **Pkt. 20 cts., 1b. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

GOLDEN BANTAM SWEET CORN. See page 15.

Cucumber

EARLY FORTUNE. The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease resistant and very productive. Fruits are uniformly nine inches long, slightly tapering toward each end, perfectly round and of a very rich dark green color which does not fade in shipping; flesh very thick, firm and crisp, and with an exceedingly small seed cavity. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1b. \$1.50.**

Lettuce

BLACK-SEEDED TENNISBALL. More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Leaves plain, thick, dark green; blanches to a rich creamy white inside. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

Peas

LAXTON'S PROGRESS. This is the earliest of the large-podded dwarf varieties. The pods are as large as Laxtonian, 4 inches long, broad and pointed, deep green in color, containing eight large dark green Peas of very high quality. The vines are 15 to 18 inches in height and are very productive. Laxton's Progress will mature Peas four days earlier than Laxtonian or Blue Bantam. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

Squash

EARLY GIANT SUMMER. Early, mostly straight necked and much larger than the Summer Crookneck. A fine quality growing from 14 to 16 inches long. Extensively used by market gardeners and exceptionally good for home gardeners. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 70 cts., 1b. \$2.50.**

BLUE HUBBARD. The Symmes Blue Hubbard is an entirely distinct variety resembling the Warted Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities cannot be surpassed. The Blue Hubbard is an exceptionally heavy cropper, producing an extraordinary number of squashes, which, though not of the largest, are of even size, thus making it very easy to handle and market. It has excellent qualities, keeping with proper storage much longer than the Delicious. **Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, 1b. \$4.00.**



EVERYBODY KNOWS Ross' Seed Grows



Worcester Lawn Seed

A Mixture of Unsurpassed Quality

It is beyond question that a thicker and more prolonged growth is very generally produced by the combination of several grasses than by only one or two.

The Worcester Lawn Grass Seed produces a perfect and enduring lawn of luxuriant richness with closely interwoven, firm and elastic turf, and it is usually ready for cutting in six weeks from time of sowing. This Lawn Grass is composed of a combination of various fine-leaved, deep-rooting grasses of interweaving habit that flourish under our varied conditions, soils and climates, growing during different seasons of the year, so that a deep green, smooth and velvety sward, free from clumps, is maintained without burning brown in Summer. Combined in well-balanced proportions, the result of years of study and observation, the Worcester Lawn Grass Seed will produce in a few weeks a fine, velvety growth, and each succeeding season a continuous thick growth from early in the spring until the ground freezes, forming a close, firm turf which will bear frequent cutting and constant trampling without injury. With reasonable care this desirable condition of the lawn may be maintained permanently.

Worcester Lawn Grass Seed is a mixture of the highest grade seeds of foreign and native grasses. The mixture is heavier than those generally offered, weighing about twenty-five pounds to the bushel, and is as free from weed seeds as it is possible to make it with the most improved machinery.

We advise a minimum sowing of 140 pounds to the acre, but often a larger quantity would probably be preferable; 160 pounds would not be too much when the quickest possible effect is desired. A pound will sow about 300 square feet. Price, lb. 50 cts., 2 lbs. \$1.00, 5 lbs. \$2.10, 10 lbs. \$4.00, 100 lbs. \$38.00.

Park Lawn Seed

This mixture is prepared, as far as price will permit, on the same lines as our Worcester mixture. It is designed chiefly to meet a demand for a mixture somewhat lower in price for sowing various large areas and the less important places about the home, but is entirely adequate for all purposes. Price lb. 45 cts., 5 lbs. \$2.00, 10 lbs. \$3.80, 100 lbs. \$35.00.

Top Dressing Your Lawn

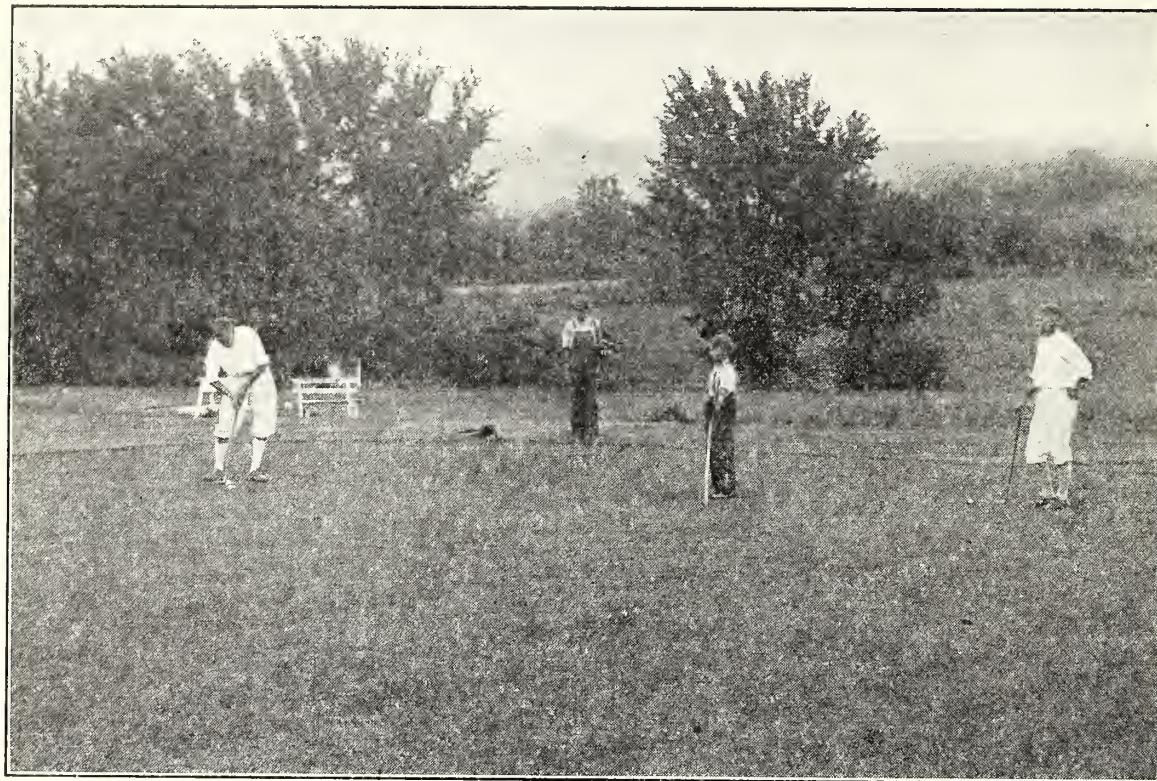
The lawn is often neglected by many of us, especially if it seems to be in a thriving condition. We overlook the fact that a continued vigorous growth of any plant life results in reducing in the soil those elements which promote growth. The soil must be fed to produce best results and this is easiest accomplished by applying a top dressing. This may be done in many ways—we recommend our Lawn Top Dressing, Pulverized Sheep Manure or Pulverized Poultry Manure; a liberal application of the Ground Limestone is also always recommended.

These items are listed on page 72, 73, giving analysis and price.



ROSS BROS. CO.

Seeds and Implements



The Shady Spot Lawn Grass Seed

A Mixture of Our Own Especially Adapted for Use in Shady Places

Bare spots seriously affect the otherwise attractive appearance of many lawns, and while for renovating or filling such spots our Worcester or Park Mixtures are entirely sufficient, where such spots are caused by the shade of trees, a renovation can be better accomplished by the use of the Shady Spot Mixture. This is composed of varieties which thrive in shade. It includes all known varieties of this class otherwise adapted to the lawn, all of which are of dwarf habit and fine, even growth. To secure a good growth, however, the soil should be properly prepared before sowing seed. Soil that is naturally moist, which has been densely shaded, often becomes sour, which is indicated by a growth of moss and sometimes by bog grass. In such cases, the moss or grass should be removed, the soil thoroughly worked over, and an application of lime be given at the rate of one bushel to each thousand feet. If the soil is dry, and there has been no growth on it for some time, it is usually very hard and it is useless to sow seed without working it deeply and thoroughly pulverizing it. What would be preferable would be to remove some of the soil and add new soil and rotted turf, and thereby furnish humus, which soils on which nothing has grown for some time usually lack. While, if soil is well prepared, the growth will continue for some time, we do not claim the permanency for this that we do for the Worcester when used in the open exposure to the sun, as there are no grasses which, if cut often, will be as permanent in the shade as others in the open. This is especially true if the shade is very dense. We therefore advise yearly attention and applications of a small quantity of seed if growth is thin. Those who have hitherto been unable to secure a growth under trees because they have not used a special mixture, will find this of great value, and will be well repaid for any slight expense and trouble incurred in following our suggestions by the greatly improved appearance of the lawn. Price, lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 100 lbs. \$50.00.

Golf Course Mixtures

For Putting Greens and Fair Greens

We have made a close study of the grasses used on Golf Courses and Pleasure Grounds, as there is no purpose for which turf is grown that is so exacting. No other grass is required to stand so much tramping and rough usage and it is very necessary that the correct proportions of the proper varieties be used to produce a firm, thick and lasting sod. The mixtures listed below are composed of native and European grasses which have proven of great value for this purpose. They are all of dwarf spreading growth, forming a close smooth surface which improves from year to year if given the proper care.

Mixture for Putting Greens, lb. 75 cts., 24 lbs. (1 bu.) \$15.00.

Mixture for Fair Greens, lb. 50 cts., 20 lbs. (1 bu.) \$9.00.

Special Mixtures of Grass Seed

In addition to the several mixtures of grass seeds which we list in this catalogue, we can supply grass seed in mixtures suitable for almost any purpose or location. We will also be pleased to name prices on any special formula on request.



EVERYBODY KNOWS Ross' Seed. Grows



The Worcester Mixtures of Grass Seed

For Meadows and Pastures Productive, Permanent, Profitable

While on heavy natural grass soils there are perhaps no grasses which will produce larger yields for a short period than timothy and red top, it is a fact acknowledged by many of our best farmers that a combination of several varieties is much superior for a continual large production of hay, especially on lighter soils.

Mixture for Permanent Pasture for Medium Soil

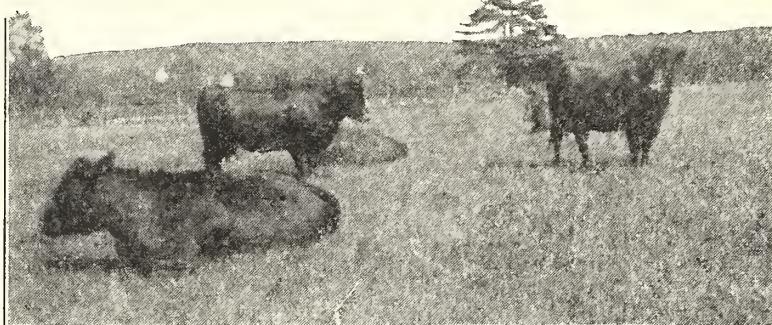
Though many farmers so rotate their crops that the permanency of their mowing fields is not of great consideration, such as regularly pasture their herds, invariably desire that the pasture shall be permanently productive when once seeded. Aside from permanency, an important requisite is that of continual growth from early spring until fall, and as many varieties as possible should be used which bear constant tramping and continued close grazing. This mixture is prepared with these ends in view. 40 to 50 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Permanent Pasture Mixture for Dry, Hilly Lands

In no situation are timothy and red top so unsuitable for seeding as in dry, hilly pasture, for both require strong, rather moist land to thrive for any length of time. This mixture is composed of grasses which thrive on light soil, endure long drought and bear, without injury, constant cropping. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Mixture for Permanent Mowing for Dry Soil

While dry land is not the ideal soil for a grass crop, much larger crops can be obtained with this mixture than with tim-



Red Polled Cows in repose after feeding in a pasture seeded with Ross Bros. quality grass seed on a farm of A. B. Harwood, Baldwinville, Mass.

othy and red top, because it contains, in large proportions varieties which thrive on dry soil and of which some succeed on soil where both the former would utterly fail. 40 to 50 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Mixture for Mowing for Medium Soil

On soil which is of average natural fertility and neither unusually dry nor wet, well enriched before sowing and regularly top-dressed, in short, on soil which will produce good timothy hay, this mixture will produce at first cutting a larger crop and a much heavier aftermath of hay, which, though not like timothy, salable in cities for feeding horses, is, nevertheless, superior for feeding to both cattle and horses, because richer in nutrient, and more readily eaten because more tender; that is, if seed is used in sufficient quantity and crop is harvested at proper time. Not only will the product be greater at first, but, if properly treated, the land will continue in productive condition for many years. Forty pounds to the acre. **Lb. 35 cts., 10 lbs. \$3.00, 100 lbs. \$28.00.**

Grass Seeds of the Highest Grade

For Mowings, Pastures and Lawn

Prices of all Grass Seeds subject to market changes. Prices include bags or sacks unless otherwise noted, 25 lbs. at 100-lb. price.

BENT GRASS, SOUTH GERMAN CREEPING. This is particularly valuable for lawns that are to be used for croquet grounds or for tennis courts, because it is benefited more than hurt by tramping and by its bright color adds to the beauty of the lawn. **Lb. \$1.00, 5 lbs. \$4.50.**

BENT GRASS CREEPING. (*Agrostis stolonifera*.) An exceptionally fine strain of high purity and germination. **Lb. \$2.00, 5 lbs. \$9.00.**

BENT GRASS RHODE ISLAND. (*Agrostis Canina*.) Of fine growth, forming a close and permanent sod. One of the best lawn grasses and very desirable for golf courses and polo grounds. **Lb. \$2.00, 5 lbs. \$9.00.**

ENGLISH or PERENNIAL RYE GRASS (*Lolium perenne*.) Of rapid growth and productive; produces a strong growth in four or five weeks. Made into hay it is rather hard, but is very nutritious and is much relished by cattle and horses. **Lb. 25 cts., 10 lbs. \$2.00.**

ITALIAN RYE GRASS (*Lolium Italicum*.) Thrives on a variety of soils, producing early and large crops. Though a perennial, it is short-lived and generally treated as an annual. Valuable for soilings. Sown in the fall, will produce a large crop of hay the following season. **Lb. 25 cts., 10 lbs. \$2.00.**

KENTUCKY BLUE GRASS (*Poa pratensis*.) One of the most valuable grasses for pasture and lawn, requires some time to become established, but lasts indefinitely on congenial soils. Sown with White Clover it forms a splendid lawn; for this purpose use not less than fifty-four pounds of Blue Grass and six pounds of White Clover per acre. If sown by itself for meadow or pasture use about twenty-eight pounds per acre. **Lb. 50 cts., 10 lbs. \$4.50.**

MEADOW FESCUE (*Festuca pratensis*.) Largely used for permanent mowing mixtures. Though at once productive,

it does not reach its full production for two or three years, when it surpasses most other grasses. Succeeds best on cool, moist soil rich in organic matter. **Lb. 30 cts., 10 lbs. \$2.50.**

RED, or CREEPING FESCUE (*Festuca rubra*.) Red Fescue is adapted to about the same general climatic conditions as Blue Grass and can be grown as far northward as any agriculture is possible. Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle two to four feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns. It will withstand more shade than most grasses and is therefore valuable for shady lawns. **Lb. 50 cts., 10 lbs. \$4.50.**

CANADIAN BLUE GRASS (*Poa compressa*.) A hardy perennial with creeping root-stalks which form a strong turf. It withstands drought better than most cultivated grasses and is especially valuable in Lawn Grass mixtures. It succeeds best on clay soils but does well on sandy soils, being better adapted for use on sterile knolls and barren fields than probably any other cultivated grass. For hay or pasture it is best sown with other grasses. Height 6 to 20 inches. **Lb. 40 cts., 10 lbs. \$3.80.**

CRESTED DOG'S-TAIL (*Cynosurus Cristatus*.) A stoloniferous perennial forming a smooth, compact lasting turf. Thrives best on rich moist land but it can adapt itself to almost any soil. Its roots penetrate deeply, thus enabling it to stand severe droughts. The color is the same as that of Kentucky Blue Grass and it is therefore excellent in mixture with that sort for lawns. If sown alone 30 pounds to the acre is none too much but it is recommended only in mixtures with other sorts. **Lb. 65 cts., 10 lbs. \$6.20.**

Grass Seeds Continued on Next Page



ROSS BROS. CO.

Seeds and Implements

Grass Seeds



PACEY'S RYE GRASS. Used extensively in lawn mixtures. Valuable because of its quick growth. **Lb. 25 cts., 10 lbs. \$2.00.**

FANCY RED TOP, WORCESTER GRADE (*Agrostis vulgaris*.) Next to Timothy this is the most largely used grass; it is highly recommended both as a permanent pasture and as a meadow grass for hay, throughout New England and the Southern States. It will not do well in sandy or leachy soils, but it is said to be adapted to a wider range of soil and climatic conditions than any cultivated grass grown in America. Used extensively in lawn mixtures. **Lb. 35 cts., 10 lbs. \$2.70, 100 lbs. \$25.00.**

ORCHARD GRASS (*Dactylis glomerata*.) One of the most nutritious and valuable grasses, early, hardy, and permanent, and thrives in all soils and situations. Bears frequent mowing and constant cropping, and is very productive. Should be included in liberal proportions in most mixtures for both mowing and pasture. **Lb. 30 cts., 10 lbs. \$2.80.**

TALL MEADOW OAT GRASS (*Avena elatior*.) A very hardy species, making an early and luxuriant growth and continuing to grow until late in the fall and is, therefore, especially desirable for pastures. It makes good hay and when used for soiling, can be cut several times in the season. **Lb. 30 cts., 10 lbs. \$2.80.**

TIMOTHY (*Phleum pratense*.) Timothy is the standard hay of commerce. The cheapness of the seed, the ease of culture, and excellent quality of the hay makes it a favorite. It is adapted to all soils, but succeeds best on moist loams and clays. The life of a Timothy field varies according to soil and climate. It produces the most profitable yields the first and second years.

WORCESTER GRADE. There are many grades of Timothy in the market and many of these are of a high purity test; but there is a vast difference in the quality of pure seed. Much of this is light seed, cleaned and recleaned until the purity is of a high percentage, almost 100 per cent pure, but still remains light seed which under the best conditions is of only fair germination. Our Worcester Grade is a seed which is of the highest quality at the start. Taken from the best fields of full ripe seed, we can assure you, that after going through the cleaning process we can guarantee a purity of 99.50 per cent. In the Worcester brand we are offering the best seed it is possible to obtain. **Lb. 15 cts., 10 lbs. \$1.20, 100 lbs. \$10.00.**



Timothy

WACHUSETT GRADE. This grade is of fine quality, better than most seed offered as prime. We guarantee this 97.50 per cent pure. **Lb. 14 cts., 10 lbs. \$1.10, 100 lbs. \$9.50.**

CLOVERS

INOCULATE THIS
SEED WITH
MULFORD CULTURE

BUILD YOUR LAND WITH CLOVERS

The sowing of clover seed is absolutely essential to proper rotation of crops and to keep up the fertility of the land.

Clovers are the basis of successful farming. Land well set in clover not only makes a good forage or hay crop, but improves the condition and productiveness of the land. In the rotation of crops, clovers are most valuable, and in all sections except possibly the extreme South, are indispensable.

Inoculate your clover with MULFORD CULTURE. SEE PAGE 8.

ALSIKE OR SWEDISH CLOVER (*Trifolium Hybridum*.) One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Flower resembles white clover except head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. **Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$42.00.**

CRIMSON CLOVER (*Trifolium Incarnatum*.) This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy and must be sown each year. **Lb. 25 cts., 10 lbs. \$2.00, 100 lbs. \$18.00.**

MAMMOTH RED CLOVER (*Trifolium Pratense Perenne*.) Sometimes called Sapping or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the Medium Red. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. **Lb. 52 cts., 10 lbs. \$4.70, 100 lbs. \$44.00.**

MEDIUM RED CLOVER, AMERICAN GROWN (*Trifolium Pratense*) More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. It is usually resown every third season; flowers pink. **Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$42.00.** Ask for price on imported seed.

WHITE DUTCH OR LAWN CLOVER (*Trifolium Repens*.) This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. **1/4 lb. 20 cts., 1/2 lb. 30 cts., 1 lb. 50 cts., 10 lbs. or over 45 cts. per lb.**



Medium Red Clover

EVERYBODY KNOWS

Ross' Seed Grows

Sweet Clovers

BOKHARA OR SWEET CLOVER (*Melilotus Alba*). This is a native of all parts of the United States and Canada and is a valuable addition to farm crops. It is an erect branching biennial plant with woody stems growing the first season, two to three feet high and developing a large root. The second year's growth usually reaches a height of four to seven feet. It bears seed the second season and then the plant dies, so it is easily controlled by cutting before the plant goes to seed, which will prevent any seed being self-sown. Sweet Clover grows in a variety of soils, in fact will thrive in any but an acid soil and is a splendid crop for plowing under, as it supplies so much humus and nitrogen to the soil. Sow 15 to 20 pounds per acre. **Lb. 20 cts., 10 lbs. or over 16 cts. per lb.**

HUBAM ANNUAL SWEET CLOVER. This Clover has been grown successfully in every State in the Union, also Canada and Europe. Will yield well on any soil of average fertility that is not sour. Hubam makes as much growth in four months as the biennial does in fifteen months. It grows 4½ feet high and will produce pasture in a little over 30 days and a hay crop in three months. **Lb. 45 cts., 10 lbs. or over 40 cts. per lb.**

MILLETS

The varieties of Millet are among the oldest of cultivated grains. A large part of the world's inhabitants subsist upon the different Millets, especially in Africa, Turkey, Persia, India and Japan. However, in our country we are chiefly interested in the use of Millet as a stock food.

Millets are especially adapted to regions of light rainfall and hot weather. They are used principally for forage, being very valuable where Timothy is an uncertain crop. The hay is fed most satisfactorily to dairy cows and sheep. In feeding value it ranks well above Timothy.

Hungarian Millet

An excellent food for horses when cured

This is commonly known as "Hungarian Grass." Each root sends up several slender stems which often branch. The leaves grow upright, rather narrow. Heads are borne erect or nearly so, about four inches long, dark purple in color, bristly and very compact. The seeds are brownish black mixed with yellow. This variety withstands drought remarkably well. If its growth is checked by dry weather the least rain will restore its vigor. It flourishes in light, dry soils, but does best in good soils, well manured. This gives a very fine quality of hay on account of its slender, leafy growth. **Price, lb. 12 cts., 10 lbs. 95 cts., 100 lbs. \$8.50.**

Tennessee Golden Millet

This variety is extensively used throughout the United States, as they find it more nutritious in value for feeding. It is grown at the same time and at the same rate per acre as the common Millet. Growers once using the Tennessee Cultivated Millet will never plant any other kind. Grows more vigorous, gives a much larger yield of hay. Growing Millet with Whippoorwill or New Era Cow Peas is becoming quite popular, three pecks of Millet being sown with a bushel of Cow Peas. **Price, lb. 12 cts., 10 lbs. 95 cts., 100 lbs. \$8.50.**

Japanese Millet (*Panicum frumentaceum*)

The seed from which, so far as known, all of the Japanese Barnyard Millet now cultivated in the United States has descended, was brought to Amherst from Northern Japan by William P. Brooks, Director of the Massachusetts Agricultural Experiment Station, in 1889. Prof. Brooks, who had become impressed with the great value of the crop for forage, began distributing seed in small quantities to private farmers in various parts of the state. The success of the crop was immediate.

It is entirely distinct from all other millets. It grows from 6 to 9 feet high, stands up well and yields enormous crops. When cured it makes good hay and in quality is superior to corn fodder. It is relished by all kinds of stock and is rich in milk producing qualities.

Japanese Millet stools freely, it is very leafy and the heads are compact. It will thrive best on moist, rich soil, as it does not endure drought well. Like all coarse growing plants, it needs abundant plant food and when given this on good soil the yield is immense.

The seed of Japanese Millet never has long awns and is a dark brown color, while the Barnyard Grass is usually long awned and dark gray color, by which it is easily distinguished. **Lb. 15 cts., 10 lbs. \$1.25, 100 lbs. \$10.00.**

SUDAN GRASS

What Sudan Grass Is

It is the most prolific and dependable hay crop in the area of limited rainfall in the North and West. Introduced into the United States by Professor C. V. Piper, of the Department of Agriculture, in 1909, it has surpassed the fondest expectations and undoubtedly will replace the millets over a large area where the latter are hay producers at the present time.

If planted in drills, cultivate often and shallow. The roots grow near the surface, and deep cultivation after the plants get well started will cut off a large proportion of the roots and reduce the yield. The cultivation may be done with the ordinary corn cultivator. Keep the soil well worked until the plants cover the ground so that weeds will not grow.

Sudan, growing as it does frequently as high as 9 feet, when planted in rows and cultivated, and 4 to 5 feet when sown broadcast, exceeds any other grass in yield. For a grass its yields are nothing short of miraculous, often reaching seven tons per acre, seldom running less than four tons.

The Sudan is a hot weather crop and will produce the largest yields during a season of high temperature.

The quality of the hay is exceptionally high, chemical analysis showing it to be of equal value with Timothy and Johnson Grass. It is equal to Millets in feeding value and gives much heavier yield. The hay is nutritious, palatable and highly relished by stock. **Lb. 15 cts., 10 lbs. \$1.25, 100 lbs. \$10.00.**



Crimson Clover



Japanese Millet



ROSS BROS. CO.

Seeds and Implements



Large returns
Small cost

Improve
your

No labor expense
Easy to use

Increase your crops Mulford Cultures FOR LEGUMES

To maintain soil fertility every crop rotation should include legumes. To get the best returns from legumes, inoculate the seed with **Mulford Cultures**. They increase the yield and improve the quality. More nitrogen is drawn from the air by inoculated legumes than is used by the plant itself, thus they add nitrogen and humus to the soil for the benefit of the succeeding grain crops. Up-to-date farmers inoculate these crops and insist on the best—**Mulford Cultures**.

Mulford Cultures are scientifically prepared and tested in the world's largest biological laboratories. Sealed containers insure purity, longer life, and a more effective culture. Easiest cultures to use—simply mix with water and add to seed. Most economical. Insure best results. Cheaper than any nitrogenous fertilizer you can buy. Agricultural experiment stations everywhere recommended inoculation.

The date on the package is your protection.

When ordering always state the kind of seed you wish to inoculate.

FOR SMALL SEEDS

	1/2, 1, 2 1/2 and 5-bushel sizes
Red Clover	Alfalfa
Crimson Clover	Sweet Clover
Mammoth Clover	Hubam Clover
Alsike Clover	Yellow Clover
White Clover	Burr Clover
Berseem Clover	Sainfoin

1/2 bushel size.....	\$0.60
1 bushel size.....	1.00
2 1/2 bushel size.....	2.25
5 bushel size.....	4.00

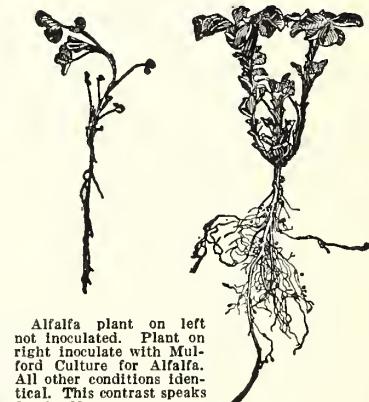
Garden Size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas), \$0.25
Inoculate all legume crops with **Mulford Cultures** to get the best, most natural, economical and lasting form of nitrogen for the soil.

FOR LARGE SEEDS

1, 2, 5 and 10-bushel sizes

Cow Pea	Wax Bean
Lima Bean	Field Pea
Mung Bean	Garden Pea
Velvet Bean	Sweet Pea
Peanut	Hairy Vetch
Garden Bean	Perennial Vetch
Kidney Bean	Spring Vetch
Navy Bean	Soy Bean

String Bean	1 bushel size.....	\$0.60
	2 bushel size.....	1.00
	5 bushel size.....	2.25
	10 bushel size.....	4.00



Alfalfa plant on left not inoculated. Plant on right inoculate with **Mulford Culture for Alfalfa**. All other conditions identical. This contrast speaks for itself.

FREE DESCRIPTIVE FOLDER UPON REQUEST

ALFALFA

Growing Alfalfa is dependent on the grower himself. It's an easy crop to grow if proper precautions are taken, but it's absolutely necessary to buy fresh new crop seed of the very best quality. It is necessary to have a good seed bed. It is necessary to inoculate the seed. It cannot be sown on sour or acid soil without liming. An Alfalfa stand can only be secured by careful attention to above. Any above reasons will keep you from success.

Just bear in mind that the Alfalfa plant produces an enormous root growth, these roots penetrate the subsoil to a great depth, lessening the potash stored below, making it available as plant food in such a manner as is impossible to duplicate with a plow.

NORTHERN GROWN SEED. Very hardy. We guarantee this to be 99 percent pure—and absolutely free from dodder and tree-foil. Price, 1b. 40 cts., 25 lbs. or more 35 cts. per lb.

GRIMM ALFALFA. So called from the fact that it was introduced in Minnesota by a Mr. Grimm from Europe, who called it Norwegian Alfalfa. This strain of Alfalfa has proven superior to all others, coming through our most severe winters without being injured, where the ordinary strains sometimes suffer severely. The most important feature connected with the introduction of the Grimm Alfalfa is its spreading root and crown. Its spreading root allows it to be grown on land which has a subsoil that is impossible for roots to penetrate; while its crown being broad allows closer cropping or cutting without injury. We are able to supply True Grimm Seed. Price, 1b. 65 cts., 10 lbs. or more 56 cts. per lb.

CANADIAN VARIEGATED ALFALFA. A very hardy strain of Alfalfa, developed in Peel County, Ontario, Canada, a cross between the Grimm and common strains. The root system is between the Grimm and common Alfalfa. It does not spread as much as the Grimm nor does it have the long tap-root of the common. It is adapted to our New England States and all sections in the same latitude. Price, 1b. 40 cts., 10 lbs. or more 35 cts. per lb.

Barley

For grain, 2 bushels to the acre; for forage, 3 bushels.
48 lbs. to the bushel.

BEARDEDLESS. Earlier than any of the bearded varieties and is generally considered more hardy. The straw is heavy and stands up well under a large crop. Very popular for forage and especially valuable for hay as the heads are entirely free from beards which when dry are thought to often be injurious to cattle. **Pk. 80 cts., bu. \$2.75.**

CHEVALIER. A two-rowed variety. Head is a little longer than the six-rowed varieties and the grain is larger, plump, extra-heavy and in favorable seasons nearly white. On account of its attractive appearance and fine quality the grain brings the highest price, while the variety is extensively grown for green forage. **Pk. 75 cts., bu. \$2.50.**

MANSURY. In our section this six-rowed variety is largely grown for forage. It yields abundantly. It is early and very vigorous in growth. The straw is strong and stiff and seldom lodges. The heads are long and well filled. **Pk. 75 cts., bu. \$2.50.**

WHITE HULLESS. About two weeks earlier than the common type. The grain closely resembles wheat, is about as heavy and is said to be nearly equal to it in feeding value. It has neither hulls nor beards. It is very productive, yielding better on poor soils than other varieties, and gives enormous crops on good land, greatly outyielding wheat under equal conditions. The straw is heavy, with good leaves and makes excellent forage. Choice Northern grown seed. **Pk. 85 cts., bu. \$3.00.**

Buckwheat

For grain, 1 bushel to the acre; for sowing, 1 1/2 bushels.
48 lbs. to the bushel.

JAPANESE. This is entirely distinct from all other varieties. It has the advantage of remaining some time in bloom and produces seed earlier. On this account it can be grown farther north. It resists drought and blight better than most varieties. The seed is larger than the Silver Hull and is a rich brown color. **Pk. 70 cts., bu. \$2.35.**

EVERYBODY KNOWS Ross' Seed Grows



Cow Peas

INOCULATE THIS
SEED WITH
MULFORD CULTURE

Mulford Culture for Cow Peas, See Page 6
In drills 1 bu. to acre.. Broadcast, 2 bu. 60 lbs. to bu.

Cow Peas produce enormous bulk and for this reason the plant is a favorite with some as a forage plant and also as a humus maker when plowed into the soil. It is, of course, like all the legumes, a soil enricher as well. The Cow Peas will grow on all kinds of soils from stiff clay to sand, barren uplands, and used either as green fodder, hay or as silage, the product is of high feeding value. While for plowing under on stiff clay soils the growth should be turned under while green, it is generally considered that on light sandy land the vines should be allowed to partially decay on the surface before they are plowed into the soil. All crops seem to do well after Cow Peas.

NEW ERA. An old stand-by which makes splendid hay. Matures in 60 to 75 days and does splendidly as far north as Minnesota. Vines are smaller than other varieties and are more easily cured. **Fk. \$1.40, bu. \$5.00.**

WHIP-POOR-WILL. A medium-early variety, very desirable for a forage crop and for rebuilding worn out land. A very prolific yielder and the most commonly used variety for planting broadcast. (Sold out.)

Selected Seed Oats

Sow 3 Bushels Per Acre. Price Includes Bags
All Prices Subject to Market Changes

It pays to buy the best, whether you wish to cut for green feed, for fodder, or ripen for grain.

Any one of the varieties we offer will produce enough feed to many times over pay for the difference in price. This has been proved by actual test and we are confident that in the stover, alone, you will get enough more feed to more than pay the difference in the price of the seed. You also get heavier and plumper heads filled with grain that will produce milk at a lower cost than almost any kind of green feed.

All we ask is a trial, and we are confident that you will be convinced that we are right.

Ross "Swedish Select"

Extra Re-cleaned Seed

The same strain we have offered for the past several years.

Introduced a few years ago by U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. **Fk. 40 cts., bu. (32 lbs.) \$1.35, 10 bu. or more \$1.30 per bu.**

Long's White Tartar Oats

THE IDEAL SIDE OAT FOR AMERICAN FARMERS

The earliest, heaviest and most prolific domestic-grown Side Oat in cultivation. It is suitable for all soils; of robust and vigorous constitution, is remarkably early and an immense cropper; the straw is long and stout, stands up well and does not readily lodge or twist. The heads measure from 8 to 10½ inches, and the kernels are of immense size, thick, plump and heavy; it is undoubtedly the heaviest cropping domestic white Oat ever offered.

Its extreme earliness, great length and strength of straw, thick, plump grains and the heavy yields it is capable of producing give Long's White Tartar all the necessary qualifications which go to make an ideal Oat. Sow 3 bushels.

We have only a few hundred bushels of this variety but will fill orders as they are received as long as the supply lasts. **Fk. 65 cts., bu. (32 lbs.) \$2.25.**

LINCOLN OATS. Similar in type to the Swedish Oats. A heavy yielding variety with straw which stands up well, used for grain or for green feed. **Fk. 45 cts., bu. (32 lbs.) \$1.60.**

Peas, Canada Field

Oats and Canada field peas make the best green crop to follow clover. Generally it is advisable to make three sowings; the first as early as possible in the spring, April 20 to 25, and the second and third fifteen and thirty days later. One and one-half bushels each of the oats and peas is the usual quantity to the acre.

The first sowing will be ready about June 25 and cutting should begin as soon as the oats show the head. The average yield from the first sowing is 10 tons to the acre. The yield from the second and third sowings is not likely to be as heavy, as the crop matures quickly during the warm weather. Oats and peas remain in condition to be cut for 10 or 12 days.

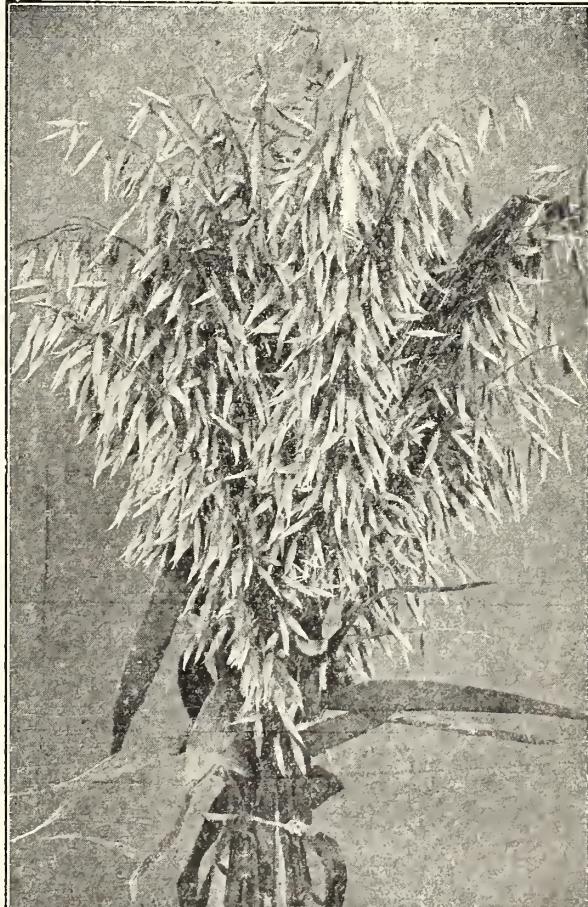
CANADA PEAS may also be sown with other grains as well as with oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Choice stock for seed. **Lb. 12 cts., 10 lbs. or over 9 cts. per lb.**

Dwarf Essex Rape

It is an annual bearing a close resemblance in leaf and stalks to the Rutabaga, but both leaves and stalks are more numerous in the Rape plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine.

Culture. Rape is best adapted to moist, rich soil in which there is plenty of humus. Slough lands are especially good. It grows best in cool, moist weather and the time for sowing depends upon when the crop is to be used. When wanted for pasture, allow 8 to 10 weeks for it to attain maximum growth. Sow 1 to 2 pounds of seed per acre in drills and cultivate, for a weed-cleaning crop. For broad-casting, use 5 pounds per acre on rich, weed-free soil, so that the Rape will not be choked by weeds.

For continued hog pasture, sow Rape early and at successive intervals. It may well follow any grain crop and is always splendid to plow under for green manure. **Lb. 15 cts., 10 lbs. or over 12 cts. per lb.**



Swedish Select Oats



ROSS BROS. CO.

Seeds and Implements



Rye

For grain, 1 bu. to the acre, for forage or soilings $1\frac{1}{2}$ bu.
56 lbs. to the bu.

Spring Rye

True Stock, Spring Rye makes an excellent crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain. Does not grow quite so large straw as Winter Rye, but usually yields well and grain is of fine quality.

We wish to emphasize the fact that we sell the genuine Spring Rye, sown in the Spring and harvested the same season. **pk. 90 cts., bu. \$3.25.**

Rosen Winter Rye

To Prof. Spragg, of Michigan Agricultural College, is due the credit for developing this most remarkable grain, which we believe is destined to add many thousands of dollars annually to the value of farm crops in the United States.

A Russian student of the Michigan Agricultural College brought with him from Russia a handful of rye which he gave to Prof. Spragg, who planted it, and from the crop selected a single plant which showed exceptional characteristics. The grain from this plant was saved and planted the next season and from this crop he again selected plants of the most promising type, repeating this process from year to year until he had sufficient seed to parcel out among a few expert farmers in different sections, at the same time continuing it as a crop at the State Experimental Farm in Michigan, where for three years the average yield has been 41.3 bushels per acre.

The development of Rosen Rye has been of such a character and the present supply has been so carefully handled, that it is safe to say it is the purest pedigree seed in existence, as the growers have taken particular pains to prevent cross fertilization and mixing with other grains.

Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of a beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels per acre. We believe that Rosen Rye is cheaper to sow even at double the price of common rye, for the excess yield will more than pay for the seed, not to mention the better quality and high price to be obtained for the crop. **Price, pk. 70 cts., bu. \$2.45, 10 bu. or over \$2.40 per bu.**

Mammoth Russian Sunflower

For the Silo

We believe every farmer, stockman and dairyman who must grow feed crops should plant a small area with sunflower. Start now to become familiar with this crop, which is destined to be a prominent feed in economical stock feeding.

Sunflower experiments have demonstrated it to be peculiarly suited to dry seasons, and producing immense tonnage even under unfavorable conditions. In feeding value, sunflower cut in bloom is fully equal to corn cut green for silage. Cattle, sheep, swine and horses find it very palatable. Sunflower silage will keep for several years. Best results are secured by planting in rows 30 to 36 inches apart, drilled four to six inches apart, in the rows. Sunflower can safely be planted at corn planting time, or a trifle earlier, using an ordinary grain drill. When planted in 36-inch rows, four or five inches apart in the row, it requires 10 pounds of seed.

Harvest similar to corn. A corn harvester can successfully be used. Best time to cut is when from fifty to eighty per cent in bloom. The great value in sunflower for ensilage lies in its ability to produce big crops in dry hot weather and the small acreage necessary to produce large tonnage any season.

Particularly suited to the high altitudes, as it seems to grow right along during cool weather when corn growth seems to have stopped. Withstands wind better than corn. **Lb. 15 cts., 100 lbs. \$12.00.**

Soy or Sojo Beans

INOCULATE THIS
SEED WITH
MULFORD CULTURE

$\frac{1}{2}$ to $\frac{3}{4}$ bushel to the acre in drills $2\frac{1}{2}$ to 3 feet apart

This is another valuable legume, growing in favor for forage and ensilage, often succeeding well on land too light for clover. While it has not been so generally grown in this country as the Cow Pea, it is considered by some preferable for the North, as it does not require so long a season.

BLACK WILSON. Medium size, black seed. Considered the best all-around variety for the North. Of rather upright growth, with a good amount of foliage and a slight tendency to vine on fertile soil. Matures seeds in 125 days and is ready for cutting in 110 days. A heavy seed producer. **pk. \$1.30, bu. \$4.75.**

ITO SAN. Ito San Soy should ripen anywhere in the North—it is Northern Grown Seed. Northern Grown Seed sown in the South produces larger yields, stronger vines, higher nutritive value. Matures in 90 days, grows $2\frac{1}{2}$ to 3 feet high. Immensely productive. (Sold out.)

MEDIUM EARLY YELLOW. The largest growing and most popular Soja Bean for forage purposes, although a little later in maturing than the other varieties. **pk. \$1.00, bu. \$3.75.**

Vetches

One bushel to the acre; with oats or rye, $\frac{1}{2}$ bu., 60 lbs. to bushel. Use Mulford Culture for Vetch. See Page 6

SPRING VETCH, or SPRING TARE. This, like Field Peas, is used for both green fodder and for plowing into the soil. In this latitude it can be sown only in the spring and is more largely used in this season than the Hairy Vetch, which may be sown either in the spring or fall. Thriving on rather poorer soil than Canada Peas, its use is rapidly increasing as a green fodder. **Lb. 15 cts., 10 lbs. or over 12 cts. per lb.**

WINTER SAND, or HAIRY VETCH (Vicia villosa.) While this will be of much larger growth on good soil and should be grown on such soil when the crop is designed for green fodder or hay, it thrives remarkably well on light, poor soil. Though it produces on good land an enormous crop and whether used green or as hay is more nutritious than Clover and readily eaten by all kinds of stock and is therefore a profitable crop to grow for feeding, it is perhaps of greater value for other purposes. No other legume surpasses it as a nitrogen gatherer and no other equals it as a cover crop. It is perfectly hardy, remaining green all winter and is therefore much superior to Crimson Clover in the Northern States as a cover crop. **Lb. 20 cts., 10 lbs. \$1.80, 100 lbs. \$16.00.**

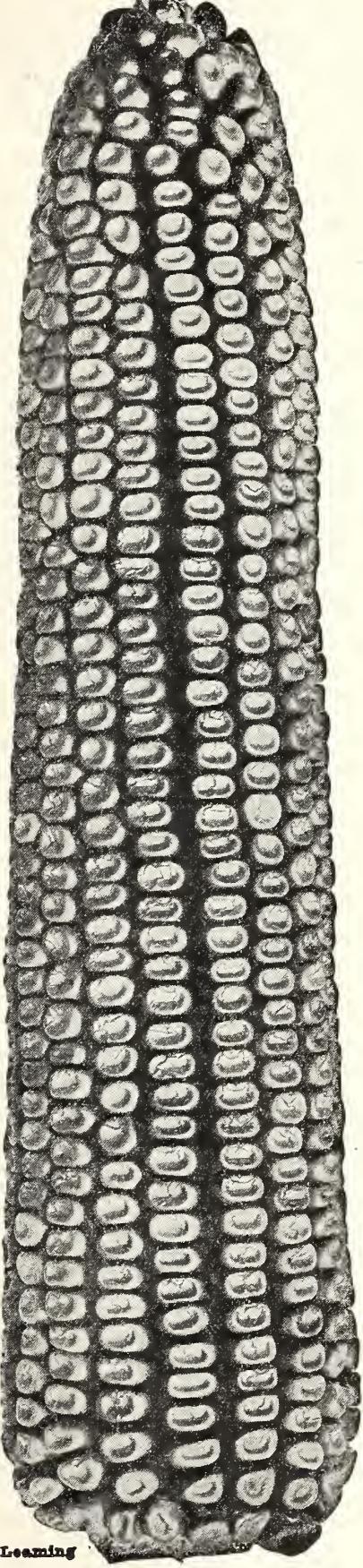
Wheat

$1\frac{1}{2}$ bu. to the acre, 60 lbs. to the bu.

MARQUIS SPRING WHEAT was originated by Chas. and William Saunders of Ottawa, Canada, by crossing Red Fife and hard Calcutta, a native wheat of India which has become acclimated to northern conditions. The first experiments were conducted in 1886 and it was not until 1903 that it was fully developed. By scientific cross breeding, a variety was produced that inherited the remarkable earliness of the Calcutta, and the frost-resistant and yielding qualities of the Red Fife. The original stock of seed was very small, but by careful husbandry the amount was gradually increased so that it might be disseminated throughout America. It has outyielded all other Spring Wheats grown under the same conditions of soil and climate, the increased yield being up to 10 bushels per acre. Marquis Wheat is flinty and dark in color being almost dark red. It is a beardless variety having a smooth yellow chaff. **Price, pk. 90 cts., bu. \$3.50.**

WINTER WHEAT. The yield of Winter Wheat per acre is on the average very much larger than any of the spring wheats. It should be sown early in the fall to secure a good firm root to survive our New England winters. Winter Wheat makes an excellent green feed, coming very early in the spring and staying in condition for feed much longer than Spring or Winter Rye.

KLONDIKE. A remarkably productive bald white variety, large and plump. Excellent for green feed. **Price, pk. 95 cts., bu. (60 lbs.) \$3.50.**



Dent Corn

All Prices on Corn Include Bags

All prices in this catalogus are subject to change without notice.

Improved Leaming

The True Improved Leaming which we offer is a pure, fixed, and distinct variety, having been bred for earliness of maturity, size, shape and color, also for the amount of grain that each ear will produce, and in doing this the fact is brought out that the True Leaming is second to none (save our Eureka) in the amount of silage that can be grown per acre.

While Leaming Corn is not grown extensively in our New England States to maturity, it is perhaps grown for silage to a greater extent than any other dent variety except our Eureka. It ranks as one of the early dent corns, has a very heavy stalk growing twelve or thirteen feet high and very leafy. The ears are eight to ten inches long, filled with medium sized but deep kernels which when dry perhaps approach more closely in hardness the flint type than any other dent corn. **Price, pk. 80 cts., bu. (56 lbs.) \$2.75, 10 bu. or over, \$2.65 per bu.**

Worcester County Sweepstakes

It is a big yellow Dent Corn, stalks very large, $1\frac{1}{2}$ to 2 inches in diameter, growing 12 to 15 feet high, foliage is long, broad and heavy, starting well down to the ground with an abundance of leaves and produces 15 to 25 tons per acre. It will mature in 120 days and in this latitude when ready for the silo carries an exceptionally heavy crop of ears in the milk stage, making the variety ideal for this purpose. **½ pk. 70 cts., pk. \$1.25, bu. \$4.50, 10 bu. or over \$4.40 per bu.**

Minnesota No. 13

This dent corn has been a surprise to its users on account of its extreme earliness. The ears are not as large as some other varieties, but its large production of ears makes it a heavier yielder than most others.

The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels, plump and of good color.

Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average condition. It may be planted as late as the second week in June and yet safely mature a crop. **Price, pk. 75 cts., bu. \$2.75, 10 bu. or over \$2.65 per bu.**

White Cap Yellow Dent

Nearly as early as the Pride of the North with larger ears. The introducer says he will guarantee this corn to mature in ninety to ninety-five days from planting and to produce a larger crop on poor soil than any other variety. Stalks eight to nine feet high, with an abundance of foliage. Ears about eight inches long, sixteen or eighteen rowed, and well filled with deep kernels, the outside ends white, the balance light yellow, which gave it the name "White Cap." The early and great production of ears and abundant foliage should make this a popular variety with those who desire ears well advanced toward maturity at the season for cutting for the silo. **Price, pk. 75 cts., bu. \$2.75.**

King of the Earliest

This dent variety, a selection from the Pride of the North, made by the originator of that variety, is from ten days to two weeks earlier, which we think makes it safe for planting in this latitude for the purpose of maturing grain. The cob is small and although the long the kernels are very deep and the yield is large. We may say here that more attention is being given in the East to the dent varieties for growing for grain than formerly and they are in a few localities grown almost to the exclusion of the flint type, the growers claiming a much larger yield from the dent. **Price, pk. 75 cts., bu. (56 lbs.) \$2.75.**



King of the Earliest

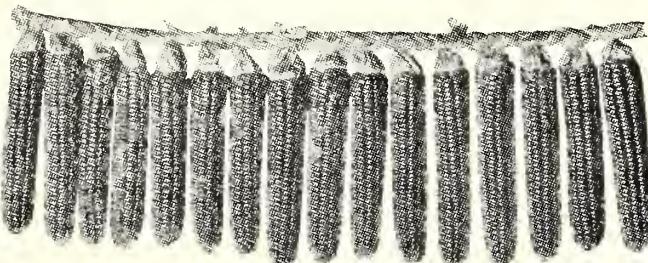


ROSS BROS. CO.

Seeds and Implements



The Sheffield World Prize Flint Corn



Sheffield Flint

short. While it may be possible under favorable conditions and high fertilization to produce more bushels of corn of some of the longer varieties, in our opinion the Sheffield is the safest and surest kind to plant for a general crop.

Owing to the fact that Sheffield Corn will mature in a short season and also give a minimum quantity of forage, it is being used quite generally for silage in the states of New Hampshire and Vermont. Price, $\frac{1}{2}$ pk. 55 cts., pk. \$1.00, bu. \$3.75.

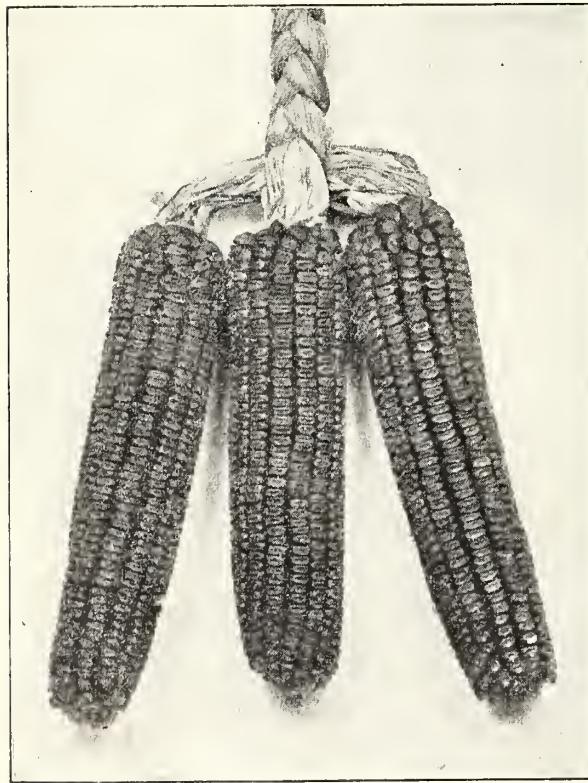
Early Smoky Dent

A Dent Corn That Can Be Grown in This Latitude for Grain

It is a very hardy grower and prolific yielder for so early a corn. This corn has nice leafy stalks, averaging 8 feet in height, which very often yields two nice ears, measuring 8 to 10 inches in length, well filled with a good sound kernel of a dark red shade, tipped with pure white, making it a very handsome corn in appearance.

It has matured in 75 days from date of planting and yields on an average of 100 bushels good sound corn per acre. This corn can be grown with success anywhere that Early Canada Flint Corn matures, as it is some ten days earlier than Early Canada.

It is the earliest Dent Corn in cultivation, is a good yielder and entirely free from disease. It is the most beautiful colored-up corn in cultivation and has been named Early Smoky Dent because of its color. It grows strong, quick and has splendid seven to eight foot fodder. It will mature in Canada, New York State, Vermont, Maine, Massachusetts, or any state where Early Canada Flint Corn will.



SHEFFIELD WORLD'S PRIZE FLINT CORN, which we introduced in 1911, is an early eight-row variety which has been grown in Vermont since 1867. The seed was brought to Sheffield, Mass., and has been grown in that town ever since. The ear of this corn has a very compact form, usually well capped at the tip, similar to the improved Canada. The average length of the ear is 8 to 10 $\frac{1}{2}$ inches; the kernels are very broad and of dark color. This corn exceeds in proportion of corn to cob any other variety.

Sheffield Corn is a safe variety to plant where early frosts are expected or in states where the season is generally

short. While it may be possible under favorable conditions and high fertilization to produce more bushels of corn of some of the longer varieties, in our opinion the Sheffield is the safest and surest kind to plant for a general crop.

Owing to the fact that Sheffield Corn will mature in a short season and also give a minimum quantity of forage, it is being used quite generally for silage in the states of New Hampshire and Vermont. Price, $\frac{1}{2}$ pk. 55 cts., pk. \$1.00, bu. \$3.75.

It is the earliest Dent Corn in cultivation, is a good yielder and entirely free from disease. It is the most beautiful colored-up corn in cultivation and has been named Early Smoky Dent because of its color. It grows strong, quick and has splendid seven to eight foot fodder. It will mature in Canada, New York State, Vermont, Maine, Massachusetts, or any state where Early Canada Flint Corn will.

We are confident that this new Dent Corn will fill many corn cribs here in New England, where it has been almost impossible to mature a Dent Corn except in an unusual season. Price, $\frac{1}{2}$ pk. 50 cts., pk. 90 cts., bu. \$3.25.

New York.

Gentlemen:

We planted 3 bushels of your Smoky Dent and it did fine. We husked over 500 bushels and put the rest in the silo. We were the only ones around here to have corn ripen. You can not beat it for early corn to fill the corn crib.

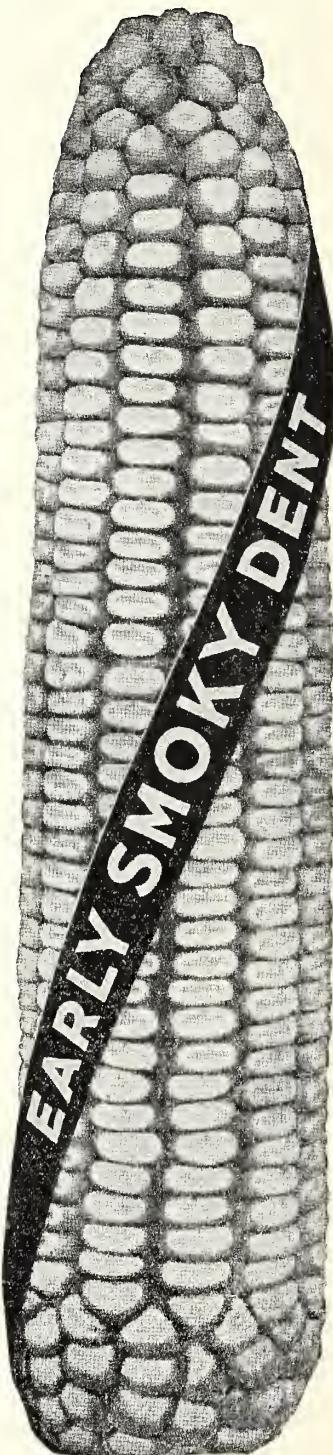
Yours truly,
Conney Bros.

Pride of the North

An early dent variety which has been grown in the East to some extent for grain and to a greater for ensilage. Although not of as rank growth as other varieties of this type, it is on account of its early production of ears popular with some for the latter purpose, especially with those having cold clayey soil. Pk. 75 cts., bu. (56 lbs.) \$2.75.

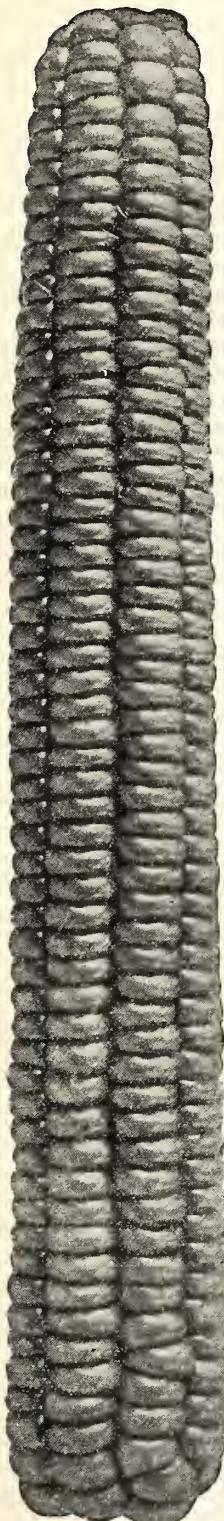
Sweet Fodder

Unexcelled for cutting green and feeding to stock. It should be included in all soiling schedules. 10 lbs. \$1.00, 100 lbs. \$8.50.



EVERYBODY KNOWS Ross' Seed Grows

Flint and Dent Corn for the Crib and Silo



Longfellow Flint



Early Canada Flint

Improved strain. This strain is in most respects identical with the original, but the ears are longer and stalks are of slightly larger growth. Ears of the original are about six inches in length while of this strain they are about two inches longer, and of similar or nearly identical strains known as Early Greenfield, Deerfield and Connecticut Valley, ears are often nine inches or longer. While in the hands of different growers the type has been largely maintained, the tendency to select larger ears has been followed by an increased growth or size of stalks making such strains later in maturing. We prefer and endeavor to procure a strain of which the ears are about eight inches long with as small stalks as possible because earlier and more distinct from other varieties, and also more desirable for light soils of only average fertility and for late planting. On stronger and richer soils there are other varieties which would probably be preferable, though because of its earliness, the more nearly certain maturity in unfavorable seasons, its great production of ears and more easily handled dry fodder it is preferred by some for planting on their best and richest land. Price, $\frac{1}{2}$ pk. 55 cts., pk. 95 cts., bu. (56 lbs.) \$3.50.

Longfellow Flint

This, for a long time, has been very popular in southern New England. Ears are eight-rowed and of remarkable length—12 to 14 inches, with occasionally one 15 inches. Stalks are considerably taller than the Improved Canada, but not so large but that they make excellent and easily handled dry stover. When well-grown, owing to the long ear and occasional twin ears, the Longfellow is a very productive variety. Though two ears to the stalk are, of course, desirable, we prefer to give more attention to securing a well-formed and well-ripened ear of typical length rather than to select for breeding stock from stalks bearing two ears if at the sacrifice of any of the above mentioned qualities. The Longfellow is safe for planting in the latitude of Massachusetts and favorable seasons has yielded large crops farther north. Price, $\frac{1}{2}$ pk. 55 cts., pk. 95 cts., bu (56 lbs.) \$3.50.

Sanford White Flint

We offer this season an exceptionally fine lot of White Flint, well grown and carefully selected for seed.

It is an eight-rowed white flint variety, the popular type in Rhode Island, being cultivated there almost to the exclusion of the yellow flint. The ear of the strain which is more generally grown there and which we offer as the Rhode Island strain, is of about the same size as the Improved Canada, resembles it very closely, except in color, having the same broad kernel and well-filled tip and ripens with or very close to it. The variety is rather more leafy than other flint varieties, which is doubtless the reason for its popularity for ensilage in the northern part of New England. The strain, however, which is more largely grown for ensilage, is seed which is grown in the West, and distinctly different. The stalks grow much taller and are more leafy and the ear is much longer and later in maturing. While there are three distinct types of White Flint Corn grown in Rhode Island, we know that the strain which we offer is the most productive, yielding more bushels of corn per acre and also shelling more pounds of corn per bushel. Price, $\frac{1}{2}$ pk. 60 cts., pk. \$1.10, bu. (56 lbs.) \$4.00.

Golden Nugget Flint

This is one of the most prolific varieties of flint corn. The ears will average about 10 inches in length and are well filled with 8 rows of exceptionally large, broad kernels of a light golden yellow color. These kernels are about twice as large as other flint corns.

The stalks grow from 7 to 8 feet high; are well covered with leaves and often produce 2 large ears each. It matures in eighty-five to ninety days, making it a safe variety to plant except in the very northern latitude. Golden Nugget produces a large amount of fodder and it is of excellent quality. Price, $\frac{1}{2}$ pk. 60 cts., pk. \$1.10, bu. \$4.00.

Luce's Favorite

This is a large late, semi-dent corn; 8 to 10 rowed ears, 10 to 14 inches long. The fodder is large and abundant, and is used for ensilage purposes in large quantities in New York State. This variety is a much heavier yielder and better for ensilage than Longfellow Yellow Flint or any other flint varieties. We can supply true stock of this variety. Price, $\frac{1}{2}$ pk. 60 cts., pk. \$1.10, bu. \$4.00.

New York.

Gentlemen:

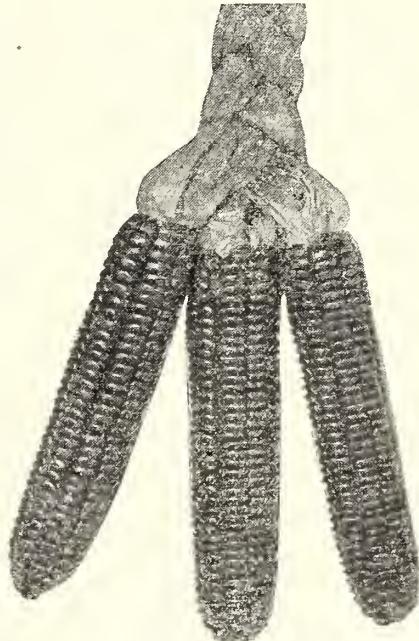
I have used your seeds for several years and found them good. Your Early Canada Flint is the best I ever raised, the only corn that got ripe in town. Sudan Grass was fine.

Respectfully, Austin A. Ross.

Dear Sirs:—The Eureka seed corn makes splendid growth in this district. The earliest corn that I planted averaged about 15 feet high and the late about 12 feet.

I was well pleased with the seed and expect to plant twice as much this year. Most of the stalks were as large as a man's wrist. I have an ensilage cutter and filled silos here for my neighbors and I had the best corn by far that I cut. I am going to plant the corn thicker this year so the stalks won't be so large.

Yours truly, Stanley S. Cralg, Vermont.



Sanford White Flint



ROSS BROS. CO.

Seeds and Implements



Don't buy a bushel of Eureka Corn unless it has our trade mark printed on the bag. There is nothing just as good.

The season of 1928 has been very disappointing to us in the production of Eureka Seed Corn. A large acreage was planted and a fine crop was in cultivation throughout the valley where this seed is produced for us. During August, however, due to excessive rains the entire valley which is the producing section for the Eureka was flooded and hundreds of acres of this land was covered with flood water for days, ruining much of the crop.

We are fortunate in having a few thousand bushels of the Eureka which was harvested from the crop left standing and this is of the usual fine quality. We suggest sending orders for the Eureka early as we do not expect our supply to last throughout the planting season of 1929.

The genuine Eureka is a very tall growing variety, often reaching a height of seventeen feet or more, and produces an abundance of heavy leaves the entire length of the stalks. It usually produces two enormous ears to each stalk and while we do not claim the Eureka will mature in our northern states where frosts are expected in September, the ears are generally in the milk stage at harvest time and this greatly increases the quality of the silage. In exceptional seasons we have known it to mature in our own state, in New York and Michigan.

To get the greatest yield, we recommend planting from $\frac{1}{2}$ to $\frac{3}{4}$ bushels of Eureka Corn per acre in drills 3 feet apart and suggest cultivation as long as it is possible to get through the corn. With the quick start which Eureka Corn will make, it is almost always possible to cultivate entirely with horse or tractor. **Price, bags included, $\frac{1}{2}$ pk. 75 cts., pk. \$1.35, $\frac{1}{2}$ bu. \$2.50, bu. (56 lbs.) \$4.75, 10 bu. or over \$4.65 per bu. in our trade-marked bags.**

Gentlemen: Ohio.

The Eureka Corn I bought from you last year was very good as usual. I filled two big silos from fifteen acres and had enough left to refill.

I have used your Eureka Ensilage corn for about twenty years and will use nothing else if I can get it. You can mark me down for a few bushels again this year.

Yours truly,

H. J. Stoneman.

Gentlemen: Wisconsin.

Eureka Ensilage Corn is the best I ever planted. It makes the best ensilage, too. I have planted it for five years now and want some again this year. In 1924 I filled my silo 14x34 from 4 acres of corn, many stalks measuring 18 feet.

Yours truly,

E. L. Holzinger.

Gentlemen: New York.

From your Eureka corn I raised a large crop and it gave me a first-class growth, averaged 18 to 20 feet high and well eared. From 2 $\frac{1}{2}$ acres we filled a 12x30 silo and refilled it.

Yours truly,

Herbert N. Sinsabough.

Ross' Genuine Eureka Ensilage Corn

Has a record of producing more tons per acre than any other ensilage variety.

This corn was introduced by us forty-two years ago and has been used extensively since that time for silage in every state in the United States, in many provinces of Canada and in several foreign countries. Eureka has surpassed in yield all other ensilage varieties.

There is nothing just as good.

Ontario, Canada.

I received your letter today and feel ashamed for not having written you long ago, not because I am afraid to tell you about my crop. I think if I were to search all the seed houses I could find no better than your Eureka. I again have my 12x30 silo packed full from 5 acres and a surplus of over 10 tons.

Yours truly,

Jacob Sander.

Oregon.

I had a fine crop of the Eureka corn this year. The seed I got from you was good. I think nearly every kernel grew. I will want some more seed this year. Will send in my order later.

Yours truly,

James Landreth.

Canada.

We have had very good crops of Eureka corn from seed supplied by you. In fact, it was so tall and heavy that one of our neighbors suggested that you send up two men with each bushel of seed to help handle the crop.

Kindly send us prices for this year as soon as possible.

Yours truly,

Morris Hall.

Michigan.

I have grown Ross' Eureka Ensilage Corn and it has proved to be entirely satisfactory. Have light gravel soil and the corn grows 12 to 14 feet high. It is the only ensilage corn I would grow.

Yours truly,

J. E. Forster.

Pennsylvania.

The last time we had your Eureka corn some of it measured seventeen feet tall. I sent stalk to bank in Freeport (Armstrong Co.), Pennsylvania, and took prize. Filled two big silos and had some left over. Cut it in shock, using an eleven foot ladder. Had to climb to top, throw a rope around it with ring in end, pull it together and tie. I can furnish proof of this by many men.

Yours truly,

Hayes Frampton.

Iowa.

I have used Eureka corn for the last seven years and have always had great success, and from the two bushels ordered of you in 1925 I had more than I could get into a 16x32 silo with a 2-foot pit. Will order again this year. Am looking for your catalogue.

Yours truly,

Wm. Harvey.

Michigan.

The Eureka and field corn I purchased from you in 1925 was fine. The field corn ripened. The Eureka grew as tall as 15 feet. I am well pleased with it and expect to order for 1926.

Yours truly,

Elton D. Young.



EVERYBODY KNOWS

Ross' Seed Grows



Sweet Corn—Yellow Varieties

1 lb. will plant about 200 hills, 10 to 12 lbs. to the acre

We pay postage on one pound or less; for larger quantities by parcel post, remit postage. See inside front cover.

Sweet Corn should not be planted until ground is warm, and can not usually be safely planted in this latitude much before the middle of May. The small, early varieties may be planted in the garden as close as 2½ by 2 feet, but in the field are generally planted 3 by 3 or 2½ feet. In the small garden, however, a more economical use of space can be made and the product secured a little earlier by making rows several feet apart, planting in the intervening space any early, low-growing crop like radish, spinach, or lettuce, and following this with a second crop of cucumbers for pickles, winter squash, celery or turnips, the corn ripening in time for removal of the stalks before they greatly interfere with the growth of the second crop. The later and larger varieties require more room. Corn thrives best on warm, rich soil and succeeds only when given frequent but shallow cultivation. But three stalks should be allowed to grow to a hill.

To have the finest Sweet Corn it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture. It will be of inferior quality if it is either a few days too old or too young.

Golden Bantam

A Favorite With All Who Have Grown It

The most famous sweet corn in the world today; it has been gaining in popularity ever since its introduction about 20 years ago. It is the richest and sweetest of all varieties of sweet corn.

Golden Bantam is dwarf, the stalks are usually 5 to 6 feet high and the foliage is short, allowing it to stand closer together in the small garden and thus produce a large crop on a small area. We recommend planting Golden Bantam every ten days during the planting season and you will be assured of a continuous supply of the best sweet corn. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Golden Sunshine

The earliest of the Golden Bantam type, maturing a week to ten days earlier than that variety; more dwarf in habit than Bantam, with ears 6½ inches long, containing 12 rows of broad, yellow, sweet grains; especially desirable for its extreme earliness. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

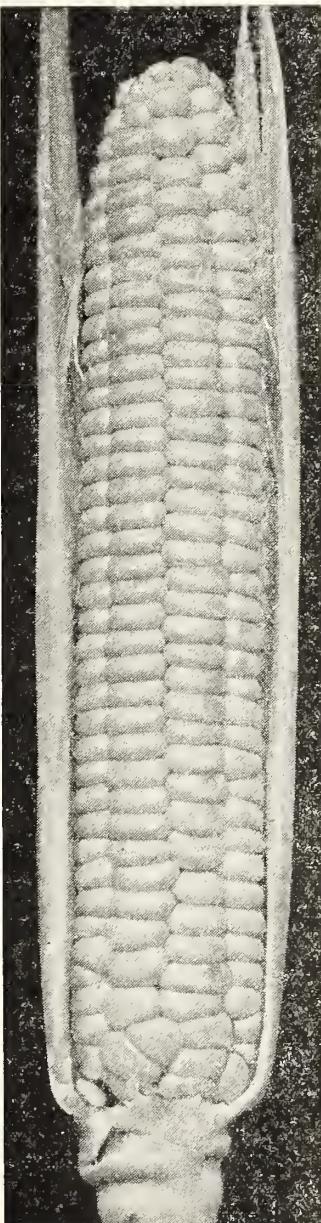
Golden Giant

Awarded the Silver Medal for novelty and excellence at Massachusetts Horticultural Show. Ears twice the size of Bantam and being from 14 to 16 rowed gives nearly four times the yield per acre; richer in color, more delicious, equally early. The husks are striped with red and very heavy. Golden Giant can be highly recommended to the market gardener because of the large ears and good shipping qualities of the corn.

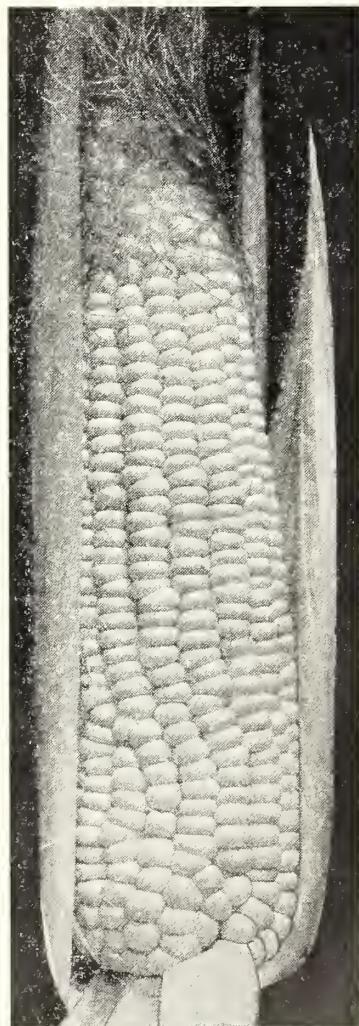
Golden Giant is the result of eleven years' selection by Dr. F. S. De Lue of Boston, Mass., from a product of "Howling Mob crossed with Golden Bantam." **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Whipple's Early Yellow

Twice the size of Golden Bantam and matures about the same time, grows ears 7 to 8 inches long and 12 to 16 rowed, with often two ears to one stalk. Quality is unequalled. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**



Golden Bantam



De Lue's Golden Giant



ROSS BROS. CO.

Seeds and Implements



Sweet Corn (Continued)

Bantam Evergreen (Yellow)

A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than the Stowell's Evergreen white. It has an ear three times the size of Golden Bantam and runs 12, 14 and 16 rows to the ear. The stalk is about 6 feet tall and is perhaps 1 foot shorter than Stowell's Evergreen and 2 feet taller than Golden Bantam. The Bantam Evergreen has the tender and sweet qualities of the Golden Bantam and combines the quality of the Golden Bantam with the productiveness of Stowell's Evergreen. As a table variety it is unexcelled. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Golden Rod

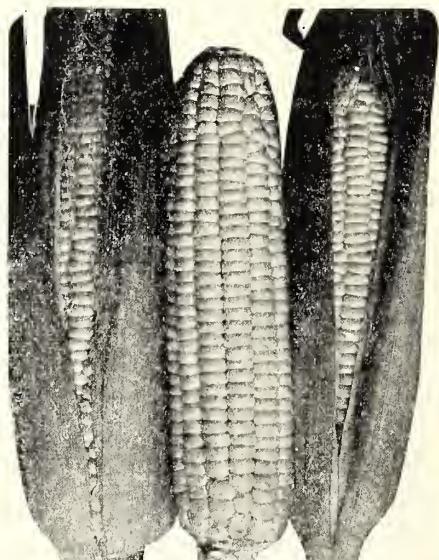
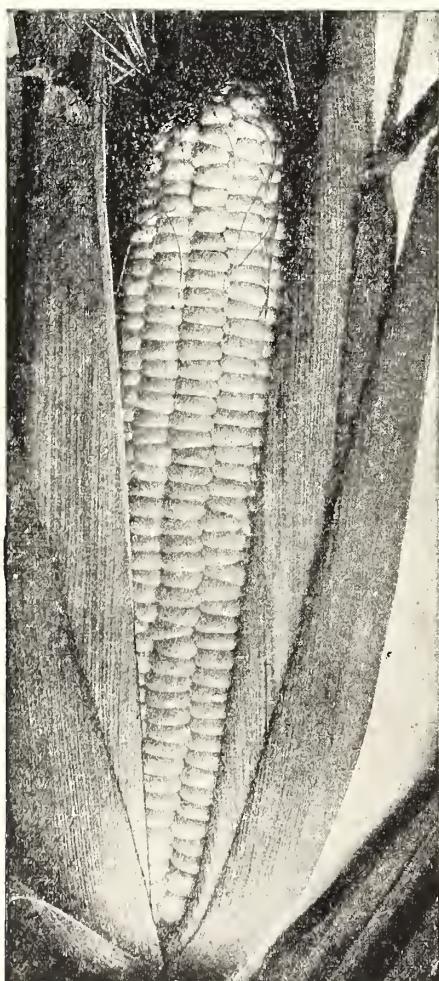
Golden Rod is the result of a cross between Stowell's Evergreen and Golden Bantam, and proves to be happy and complete blending of each sort. The ear is none too small nor is it large and bulky, but just large enough for ordinary consumption. The plants are 6 to 7 feet high, strong, profusely leaved, and bear on each stalk, at a convenient height, two ears lavishly packed with delicious golden grains of appetizing flavor. Exceptionally fine to follow Golden Bantam on account of its large size, color and sweetness. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

Black Mexican

A popular variety; until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black, but at proper stage for cooking, the color shows but little if at all. **Pkt. 20 cts., lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 20 cts. per lb.**

White Varieties—Early Dighton

An extra early variety growing about four feet high and yielding usually two ears to the stalk. The ears eight to ten rows, six to seven inches long, the grain white with pink cob. Matures ten days earlier than Early Mayflower and we believe it is a profitable variety for the market gardeners. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**



Early Mayflower

Alpha Sweet Corn

The earliest sweet corn. Matures a week or ten days ahead of Mammoth White Cory. The ears average six to seven inches long, are uniformly eight rows, fully equal in quality to Mammoth White Cory with skin a trifle more tender. The stalks are very uniform in height averaging about four feet. Ears are set low and close to the stalks. For the market grower who reaps an extra profit by getting his produce on the market ahead of his competitors this will be a money-maker; for the home gardener it will produce desirable ears for the table a week ahead of the next earliest variety. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

COUNTRY GENTLEMAN. Medium size, with irregular rows of very deep and slender kernels and small cob. Sweet and tender, not surpassed in quality by any other variety with white kernels. Plant very productive, often yielding three and sometimes four good ears. Plant liberally, as the kernels being much shriveled, seldom germinate so well as those of the regular type. Ready for use a little before the Stowell's Evergreen. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

EARLY CROSBY. New England Strain. This has been for years the most popular second-early strain in New England, and is largely grown elsewhere. Ears are intermediate in size between those of the first-early sorts and the Kendel's Early Giant, especially attractive and distinct, having rather small, almost square kernels packed so closely on the cob that there is no space between the rows, as with other varieties; has always twelve or more rows and tip is completely covered. Not only an unusually attractive ear, but of a size preferred by many, and corn is superior quality. **Pkt. 20 cts., lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 24 cts. per lb.**

EARLY MAYFLOWER. One of the whitest and sweetest of the early varieties; an exceptionally good yielder and one that deserves to be planted to come in ahead of Golden Bantam; ears average 8 inches with deep kernel. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

POTTER'S EXCELSIOR, or SQUANTUM. First named Potter's in Boston market, later named Squantum in Rhode Island. Ears of medium size. Matures soon after the second-early sorts. **Pkt. 20 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 28 cts. per lb.**

STOWELL'S EVERGREEN. The best known and most largely planted of all the varieties. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. This corn is distinguished by the large ear, the long deep kernels, its rich, sugary flavor and its long keeping qualities. It is the standard late sort. **Pkt. 20 cts., lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 24 cts. per lb.**

If larger quantities of Seed, other than listed are desired, write for prices.

EVERYBODY KNOWS Ross' Seed Grows

Pop Corn for Planting

WHITE RICE. This variety of pop corn is an old and tried corn. It is the heaviest yielder of all and of very good quality. The stalks grow from 5 to 6 feet tall and produce two to three ears each. The ears are about 6 inches long and covered from butt to tip with long, hard, flinty kernels. When popped the kernels are very large and tender. We recommend this variety especially for its large yielding ability and its popping qualities. **Pkt. 15 cts., 1b. 25 cts., 10 lbs. or over 20 cts. per lb.**

Dwarf White Hulless

This is the dwarf variety of pop corn used so extensively by pop corn venders all over the United States. The kernels are similar in color and shape to the older types of white rice, except they are more slender and longer. Is of the dwarf growing habit. Ear about two to three inches long. The kernels on an average cob, however, will produce nearly twice as much popped corn as the average larger sized white rice cob, with practically no wastage. Matures in about 65 days. **Pkt. 15 cts., 1b. 30 cts., 10 lbs. or over 25 cts. per lb.**

Corn for Popping

TANAGER BRAND (shelled) 1 lb. pkgs. Price, lb. 13 cts.
WHITE RICE (shelled). Price, lb. 10 cts., 10 lbs. or over 8 cts. per lb.
WHITE RICE (on the cob). Price, lb. 10 cts., 12 lbs. \$1.00.
DWARF WHITE HULLESS (shelled). Price, lb. 12 cts., 10 lbs. or over 10 cts. per lb.



SPECIAL PRICES IN LARGER QUANTITIES.

Seeds Used for Flavoring and Pickling

	Oz.		Oz.
Caraway	\$0.20	Dill	\$0.10
Celery	.10	Fennel	.20
Coriander	.20	Mustard	.10

Rhubarb Roots

Victoria, 1 year roots..... 2 for \$0.25

Seed in Packets

We have for years placed our seed in packets on sale with thousands of stores throughout the New England states. These packets are supplied to the dealers each season filled from the same reliable stocks that are used for sale in our own store at Worcester. Each stock is carefully tested and we guarantee satisfactory germination. We would of course prefer to have you send us your order direct, but if our packet seeds are on sale in your local store do not hesitate to use them as we know they will produce the same satisfactory results as the seed purchased at our own store.

Flower Plants

ASTER, American Branching.

COSMOS, Mixed Colors.

ANTIRRHINUM, Mixed Colors.

PANSY, Mixed Colors.

CALENDULA, Mixed Colors.

SALVIA, Bonfire and Splendens.

ZINNIA, Mammoth Mixed Colors.

Special Vegetable Collection

\$1.60 value for \$1.00 postpaid

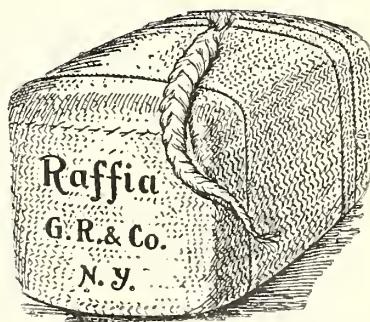
This is a collection for the small garden prepared for those who do not want to spend time to make their own selections. All varieties listed are easily grown and include a good list for the home garden, being sufficient for about 20x30 feet of space. Mailed anywhere on receipt of price, \$1.00.

1 Pkt. Beans, Sure Crop Black Wax.	\$0.20
1 Pkt. Beet, Crosby's Early Egyptian.	.10
1 Pkt. Carrot, Danvers Half Long.	.10
1 Pkt. Cabbage, Copenhagen Market.	.10
1 Pkt. Corn, Golden Bantam.	.20
1 Pkt. Cucumber, Early Fortune.	.10
1 Pkt. Endive, Batavian Broad Leaf.	.10
1 Pkt. Lettuce, Black Seeded Tennisball.	.10
1 Pkt. Parsnip, Hollow Crown.	.10
1 Pkt. Pumpkin, Small Sugar.	.10
1 Pkt. Peas, Sutton's Excelsior.	.20
1 Pkt. Radish, Scarlet Globe.	.10
1 Pkt. Squash, Summer Crookneck.	.10

\$1.60 Price per pound 35 cts.

Raffia for Tying

Raffia is the straw colored inner skin of a palm found in Madagascar. It is very strong and tough, but soft and flexible, which makes it the very best material for tying vegetables, plants, vines, etc. It is better than twine, as it does not cut the plants and is much stronger. It is also used for making baskets. Raffia comes in hanks from 1 to 5 lbs. We offer the best grade. Price per pound 35 cts.



Telegraph your order with Western Union Money Transfer and goods will be shipped same day order is received.



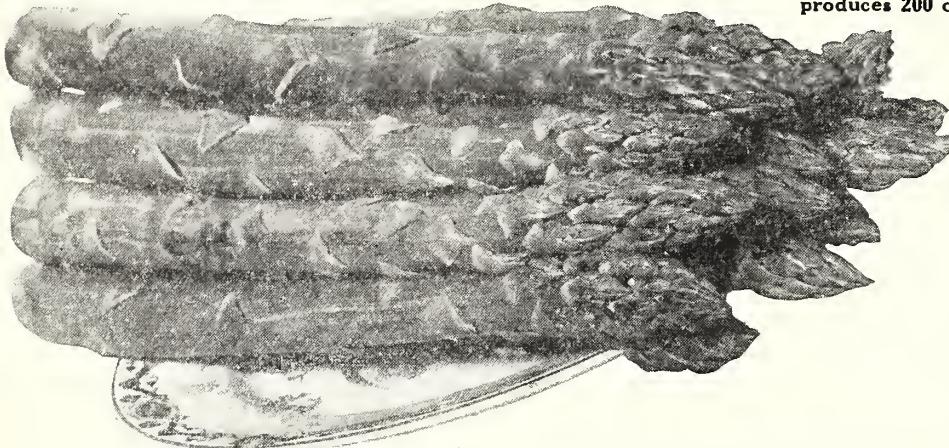
ROSS BROS. CO.

Seeds and Implements



General List of Vegetable Seeds—Asparagus

An ounce will sow about 60 feet of drill, and produces 200 or more plants.



time of setting, filling the trench gradually as the plants grow. The plants should have frequent cultivation and yearly heavy applications of manure or fertilizer. The third year from setting, two or three cuttings, that are possible until time for early peas.

MARY WASHINGTON ASPARAGUS. This is a strain which has been under the direction of the Bureau of Plant Industry of the United States Department of Agriculture. The Bureau began this work at Concord, Massachusetts, in 1906, rust-resistance being one of the principal features desired. From a single plant discovered at Concord in 1910, a commercial strain has been developed.

Washington Asparagus is a rust-resistant, vigorous, high yielding strain of giant asparagus. The plants represented in its pedigree of the last three generations are the best found in a ten years' search among millions of plants tested. By test, we mean the ones that have produced offspring, uniform, rust-resistant, high yielding, of large size and rapid growth, all of which qualities indicate tenderness.

Pkt. 10 cts., oz. 25 cts., 1/4 lb. 60 cts.

GIANT ARGENTEUIL. Popular in France on account of its large, thick, green stalks, being a special favorite in the Paris markets. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts.**

PALMETTO. Early and productive. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts.**

Asparagus Roots

The easiest way to obtain an Asparagus bed is to set out the roots. It takes 3 years to establish one from seed, but with our large, two year roots a bearing bed may be had in 2 years.

We can furnish strong selected roots of the variety listed, 50 in a bunch, at the following prices:

MARY WASHINGTON. Doz. 30 cts., 50 \$1.00, 100 \$1.75, postpaid. By express, 100 \$1.50, 1,000 \$12.00.

Artichoke

GREEN GLOBE. Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt. 20 cts., 1/2 oz. 35 cts., oz. 60 cts.**

Brussels Sprouts

A very hardy plant of the cabbage family, growing from 2 to 3 feet high, producing from the sides of the stalk numerous small heads about 2 inches in diameter. Sow about the middle of May, and treat generally as directed for cabbage.

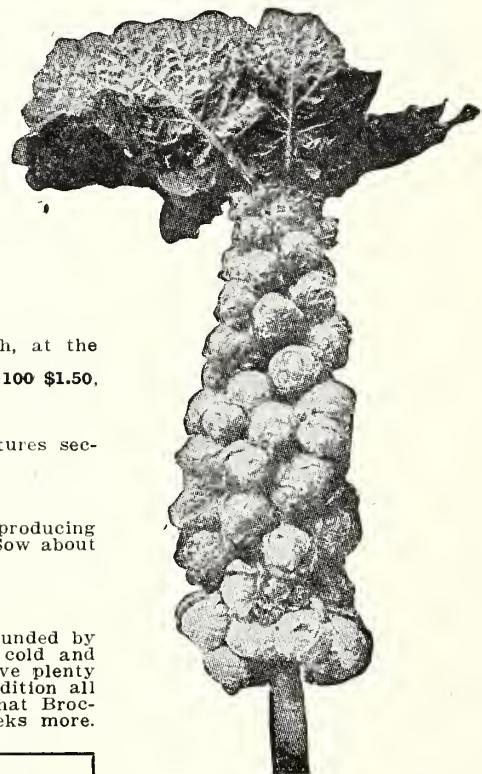
IMPROVED HALF-DWARF. **Pkt. 10 cts., oz. 25 cts.**

Broccoli

ST. VALENTINE BROCCOLI has a clear white head like a cauliflower, surrounded by heavy leaves which may be tied to further blanch the heads. It stands cold and wet well, and heat better than any cauliflower. Be sure that the plants have plenty of water. Seed started in June will make heads which will be in good condition all winter. Seed started earlier will bring heads in for summer. Remember that Broccoli takes longer to mature than Cauliflower and so allow two or three weeks more.

Pkt. 15 cts., 1/2 oz. \$1.00, oz. \$1.75.

All prices in this catalogue are based on the lowest market price at time catalogue goes to press, but they are subject to market changes. This applies to both advance and decline.



Brussels Sprouts



EVERYBODY KNOWS Ross' Seed Grows



Improved Golden Wax Beans

GOLDEN-EYED WAX. Next to Horticultural Wax in its freedom from rust, and superior to that in quality though not equal to most others in the list. Pods of good length, flat, straight, waxy yellow and attractive. Popular with market gardeners. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

IMPROVED GOLDEN WAX. An old, well-known and popular variety of excellent quality. Pods flat, long, golden yellow. One of the earliest and best dwarf wax varieties for the private garden. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

PENCIL POD WAX. This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The plants are strong growing with roughened leaves. The pods are long, five and one-half to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless and are produced through a long season. Seed long, round, medium sized, solid black. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

ROUND-POD KIDNEY WAX. Of unsurpassed quality. One of the best for the home garden and very desirable for market, where round-podded varieties are popular. Pods are long, very white and wax-like; uniformly perfect in shape and vine is very productive. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

SURE-CROP STRINGLESS WAX. An absolutely stringless, rust-proof wax-pod, bush bean. Pods seven to seven and one-half inches long, about half an inch in diameter, and a beautiful rich yellow color. Plant hardy, extremely prolific, in fact, bears more freely than any other variety of recent introduction. Just the bean for the family garden. On account of its size it is always a ready seller on the market. **Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.**

WARDWELL'S KIDNEY WAX. A very popular variety, especially in some localities, because of the large size, handsome appearance and excellent quality of the pods. The pods are flat, broad, and usually five to six inches long, or delicate, waxy yellow color, stringless and brittle. Very widely used by market gardeners. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

BEANS

INCULcate THIS
SEED WITH
MULFORD CULTURE

1 lb. will plant 100 feet of drill. 60 to 90 lbs. will plant an acre.

Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming.

Dwarf Wax or Butter Beans

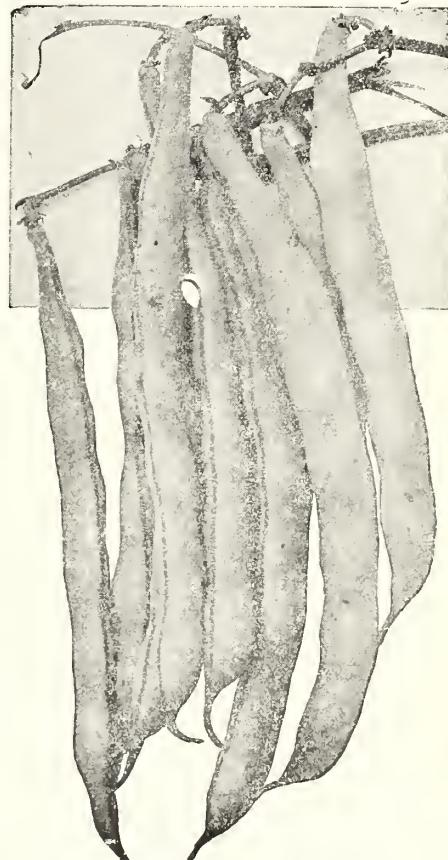
BLACK WAX, PROLIFIC. One of the best for a home garden, perfectly stringless and of excellent flavor. Pods are medium size, round and of a clear waxy white color. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

BRITTLE WAX. One of the best early varieties. The pods are round and long, often six inches in length, and a rich golden yellow; stringless and tender. When ripe, makes good shell beans. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

CURRIE'S RUST-PROOF WAX. It has been claimed that this medium early bean is absolutely rust-proof and we have found it as nearly rust-proof as any wax-podded bean. The plants are very vigorous, hardy and productive. The pods are five to six inches long, nearly straight, broad and flat; color, golden yellow. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.

We suggest
Prolific Black
Wax, Brittle
Wax, Pencil Pod
Black Wax or
Sure Crop String-
less Wax for the
home garden.



Sure-Crop Black Wax



ROSS BROS. CO.

Seeds and Implements



We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.

Beans Dwarf or Bush Green Podded Sorts

Don't Forget—Mulford Culture for Beans

BOUNTIFUL. Vine unusually thrifty, rarely affected by blight, bears early, profusely and for a long time. Pods large, flat but thick and meaty, stringless and tender. **Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.**

BOSTON SMALL PEA. More largely used than any other variety for baking. Choice select. **Pkt. 15 cts., 1 lb. 25 cts., 2 lbs. 40 cts., 10 lbs. or over 18 cts. per lb.**

BURPEE'S GREEN POD STRINGLESS. A very desirable dwarf podded snap sort for the home garden and largely grown for the market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, larger than those of Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. They mature a little later. Seed of medium size and length, yellowish brown. **Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.**

DWARF HORTICULTURAL. Pods thick, broad, of medium length, yellowish green splashed with red when at the stage of fitness for green shell beans and are then very attractive. Beans are large, oval, easily shelled and of fine quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

FRENCH'S HORTICULTURAL. This is a bean of the horticultural type which has been grown quite extensively in some localities by the Market Gardeners for a number of years. The vines are compact and of upright growth; almost always sending out runners to a height of one and one-half to two feet, but do not climb a pole and are not of sufficient length to affect the bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

EARLY LONG YELLOW SIX WEEKS. The vines of this variety, known also as Long Yellow Six Weeks, are large, vigorous, erect and very productive. The leaves are large. The pods are long, about six inches, straight, flat, handsome, rather light green and when young are of good quality for snaps. This sort is early maturing and a fine shipper. Seed medium sized, long, kidney shaped, light yellow with small brownish circle about the eye. **Pkt. 20 cts., 1 lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or over 40 cts. per lb.**

GIANT STRINGLESS GREEN POD. Makes an excellent succession to Burpee's Stringless Green Pod when planted at the same time. The plants are of strong growth; pods slightly curved, quite meaty, being broadly rounded and saddle-backed; brittle and stringless at all stages. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

GODDARD, or BOSTON FAVORITE. Vine very large, vigorous and productive. Pods long, larger than the Dwarf Horticultural, similar in color and marking. Beans large, kidney-shaped, of excellent quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

IMPROVED YELLOW EYE. One of the best sorts for baking; extremely productive and of superior quality. **Pkt. 15 cts., 1 lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 22 cts. per lb.**

RED KIDNEY. Large red kidney-shaped beans of excellent quality. The old-fashioned baking bean. **Pkt. 15 cts., 1 lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or over 22 cts. per lb.**

REFUGEE or THOUSAND TO ONE. A standard very productive sort, highly esteemed for late planting for snaps and very extensively used for shipping, canning and pickling. Sometimes called Late Refugee, Round Pod Refugee and Improved Refugee. The plants are very large, spreading, exceedingly hardy, with many small, smooth light green leaves. The mature pods are about five and one-fourth inches long, slightly curved, medium green becoming light yellow, sometimes splashed with purple. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**

English Broad Bean

BROAD WINDSOR. An old-fashioned English shell bean. This bean is very hardy; it should be planted as early as the ground will permit, three or four inches deep in rows three feet apart, and plants four feet apart in row. Dry beans very large and yellowish green. **Pkt. 25 cts., 1 lb. 60 cts., 2 lbs. \$1.00.**

Dear Sirs: — Maine.

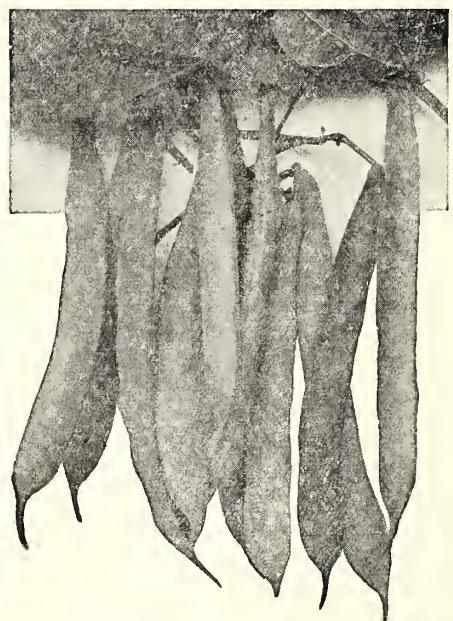
Enclosed is my order for seeds. We have ordered our garden seeds from you for several seasons and always got the seeds ordered with never an error. We have always been pleased with the quality of them. The packets are so large that many of them last for two or more seasons and with the exception of Parsnip all come up when saved over.

Last year we had nearly enough old seed and bought what we lacked at the local store but the latter did not do as well as your seed which we had saved over.

A satisfied customer,
Grace M. Prescott.



Mammoth Green Pod Stringless



Burpee's Green Pod Stringless

EVERYBODY KNOWS Ross' Seed Grows

Dwarf Lima Beans

1 lb. will plant about 50 hills

The dwarf lima class cannot be recommended too highly. The beans can be grown and gathered much more easily than the pole limas, as the vines require no support. They can also be grown closer together than those, are equal in quality to pole limas and as a rule are earlier maturing.

Limas require a longer season for maturing than other garden beans. Do not plant till the ground is dry, weather warm and danger of frost is over. If possible, select rich, light soil. Plant in drills two or three feet apart, dropping the beans three to four inches apart and covering one and one-half to two inches deep. If planted in hills, make the hills two or three feet apart one way and two to two and one-half the other and plant four to six beans in a hill. Hoe often, but only when the leaves are dry.

HENDERSON'S BUSH LIMA. A bush of the Sieva Lima; beans small but vine is productive and bears early. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**

BURPEE'S BUSH LIMA. A bush form of the Large Lima which it closely resembles and approaches in size. Very popular. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 37 cts. per lb.**

BURPEE'S IMPROVED BUSH LIMA. A distinct strain. The earliest, largest and the best of all large limas. This new strain differs from the popular Burpee's Bush Lima in bearing uniformly much larger pods, producing more beans, while both pods and beans are much larger and thicker. While the beans are as large as those of the Large Lima, the crop of the Improved is ready for gathering from eight to ten days earlier. In quality the beans are equal to any, being thin-skinned, juicy and of fine flavor. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 37 cts. per lb.**

FORDHOOK BUSH LIMA. The Fordhook Bush Lima Bean is not a selection made by man from the Dreer's Bush Lima, but created by nature, a single sport found in the field of Dreer's or Challenge Pole Lima, and has now become one of the leading varieties of Bush Lima Beans. The plant is of stiffly erect habit, the beans are much larger and of superior quality and even when full size are juicy and of fine flavor. Sold out.

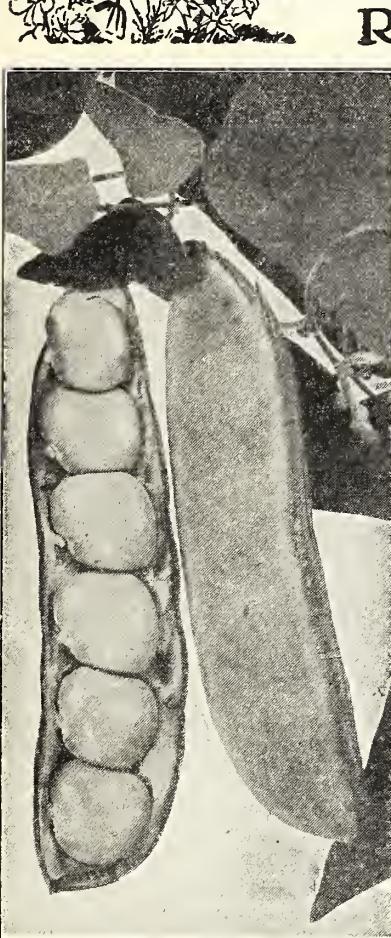
Pole or Running Lima Beans

1 lb. will plant about 100 hills

These, like the Dwarf Lima, are tender and should not be planted in this latitude much before the first of June, and even then a liberal quantity of seed should be used to be more nearly certain of a uniform stand. Three plants, however, are all that should be allowed to grow in a hill.

CARPENTERIA. This is just the lima for the market gardener to grow for main crop. It is early and large, and enormously prolific, without much vine. **Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**

KING OF THE GARDEN LIMA. Earlier than the Large Lima, and pods are longer and often contain five beans of the largest size. The vine is large and of remarkably vigorous growth and will produce larger pods and bear earlier if only two are allowed to grow to the pole. **Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**



Fordhook Bush Lima Beans

LARGE LIMA. The old standard variety. Pods are broad, thin and borne in clusters. The vine grows tall, is vigorous but slender. Later in bearing than the preceding varieties. The beans are large and of a greenish tinge, which is considered an indication of superior quality. **Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**

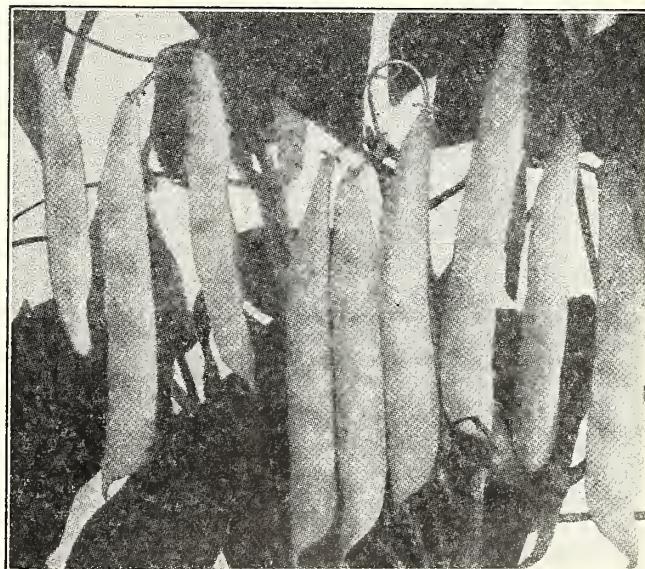
SEIBERT'S EARLY LIMA. The earliest variety; vine vigorous and very productive and continues so from the first to the last of the season. While the pods are short and rarely contain more than four beans, the total yield compares very favorably with other varieties. A desirable feature of this variety is the ease with which the pods are opened, owing to the fact that they are very thin. **Pkt. 15 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 27 cts. per lb.**

Beans—Pole or Running—Wax Podded Sorts

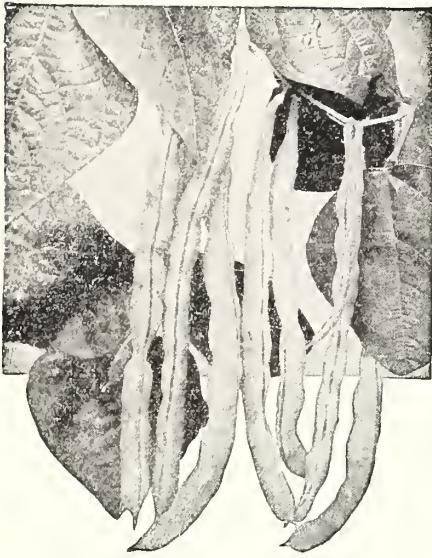
1 lb. will plant about 100 hills

Although pole beans require considerable care and labor, they are, when properly grown, usually of longer bearing period. Pole beans are more sensitive to wet and extremes of temperature than the dwarf varieties and should not be planted as early. Poles should be set in rows about 4 feet apart, preferably running north and south, allowing about 3 feet between the poles in the row. The safer way is to plant six to eight beans around each pole and thin to three or four plants. Beans should be about two inches below the surface and are more generally pressed into the soil, eye down, instead of dropped and covered, as they come up a little sooner planted in this way. Like the dwarf beans, they require frequent shallow cultivation.

GOLDEN CLUSTER WAX. Pods long, broad, thick and fleshy; borne in clusters, creamy white in golden yellow; of best quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**



Wardwell's Kidney Wax



Pole Beans—Kentucky Wonder

Beans—Pole or Running— Green Podded

Don't Forget Mulford Culture for Beans

KENTUCKY WONDER WAX. This pole bean is quite similar to the very popular green podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. These are very attractive, fleshy, stringless and not surpassed in quality. The vine is remarkably vigorous and its earliness and hardiness commend the variety as one well adapted for even northern latitudes. The seed even from the most matured crop is usually somewhat shriveled. Like the green podded Kentucky Wonder, this is very productive, and we believe it to be generally superior to any other wax podded pole bean. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 37 cts. per lb.**

KENTUCKY WONDER, or OLD HOMESTEAD. Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Vine bears early and is very productive. Used only as a string bean. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

LONDON HORTICULTURAL, or SPECKLED CRANBERRY. Pods short, broad, yellowish, streaked with bright red. Beans in general appearance identical with Dwarf Horticultural, of about the same size, more nearly round; of the best quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities, but rarely grown for that purpose. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 32 cts. per lb.**

WORCESTER MAMMOTH HORTICULTURAL. This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The beans, though closely resembling those of the common strain, are much larger. Its strikingly handsome pod combined with its great size are both features of excellence which recommend it. Added to these excellent qualities are those of thrifty, vigorous growth of vine and great productiveness, all making it a variety especially desirable to the market gardener. It easily brings a higher price in the market than any other, and is not excelled by any other sort for the home garden. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

BEET An ounce will sow about 100 feet of drill. 5 or 6 pounds required for an acre.

The beet thrives best in deep, rich, but rather light soil. Sow in drills about 15 inches apart and one inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter, from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.

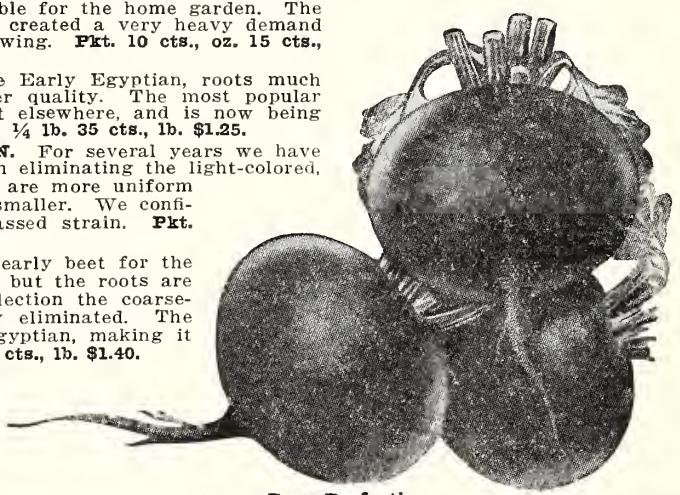
EARLY WONDER. One of the earliest and most perfectly shaped beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

CROSBY'S EARLY EGYPTIAN. An improved form of the Early Egyptian, roots much thicker and more regular. Nearly as early and of better quality. The most popular early variety for market throughout New England, if not elsewhere, and is now being considerably used for late sowing. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.**

CROSBY'S EARLY EGYPTIAN EXTRA-SELECTED STRAIN. For several years we have given this especial attention and have largely succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth and a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

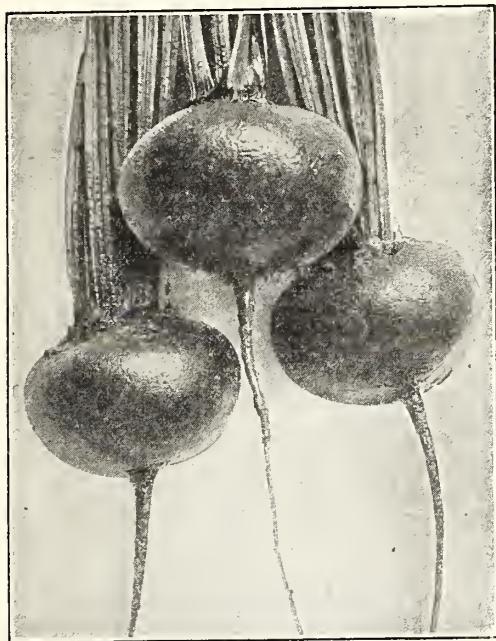
ROSS PERFECTION. A strain selected by us as the best early beet for the market gardener. Nearly as early as the Early Egyptian, but the roots are much thicker and more regular in shape. By careful selection the coarse-fleshed and light-colored specimens have been practically eliminated. The tops are even in growth and a little smaller than the Egyptian, making it an ideal beet for all uses. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

Germination on All Seeds Sent on Request
Also Purity on
Grass Seeds, Clovers and All Field Seeds



Ross Perfection

EVERYBODY KNOWS Ross' Seed Grows



Selected Crosby's Egyptian

BEET

Continued

EARLY EGYPTIAN. The earliest variety; roots flat; deep crimson; top small. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

EARLY ECLIPSE. An early globe-shaped variety of good quality and deep color. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

EDMAND'S BLOOD TURNIP. A standard variety used for both second-early and main crop. Of good quality and keeps well. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

DEWING'S BLOOD TURNIP. One of the leading main-crop varieties. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

DETROIT DARK RED. A superior second-early and main-crop variety rapidly growing in favor for late planting. Tops uniformly small and grow upright so that the rows may be close together. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.40.

SWISS CHARD, or SILVER SEA KALE BEET. Used for greens only. Until recently but little used in this country, but for the last few years has rapidly increased in favor. Much superior to other beets for greens. Of very rank growth, plants should be thinned to about one foot apart. When the plants have attained full size, the stems and mid-ribs are sometimes cooked and served like asparagus. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

SWISS CHARD, GIANT LUCULLUS. The Swiss Chard, or Spinach Beet, is prepared for the table in the same manner as Spinach; sometimes, however, the mid-rib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which cuttings may be made all summer, as you can cut right down to the ground and new shoots will soon spring up and make a fast growth, while those plants which are allowed to grow on without any cutting will make large curly leaves, with thick, light-colored mid-ribs which are delicious when cooked and served like asparagus. You should not fail to plant at least one long row in your garden. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Sugar Beets and Mangel-Wurzels for Stock Feeding

1 oz. to 100 feet of drill; 5 lbs. per acre

Roots of all kinds are highly valuable for stock feeding and are worth more general cultivation than they have had in the past. A liberal feeding of Mangels insures a large flow of milk and healthy condition of the animals. Fifteen or twenty tons per acre is not an unusual yield for any of the large growing varieties. They are easy to cultivate and can be raised almost wholly with horse culture and will respond readily to any kind of fertilizer. A yield of 20 tons per acre is equal to 2 tons of the best Timothy Hay or 65 bushels of corn, but they will produce more milk, and, in addition to the feeding value found in protein and fat, you also get a large amount of water, which, to our mind, has a feeding value in any of our field crops.

GOLDEN TANKARD. It is one of the best stock beets grown. It has yellow flesh, a very distinct variety, being short with very little tap root and very easy to harvest. Top and neck very small; root ovoid, flesh yellow, zoned with white; an excellent sort. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

MAMMOTH LONG RED. This is truly a mammoth, a single root often weighing twenty to thirty pounds. The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, thirty to forty tons of roots per acre. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

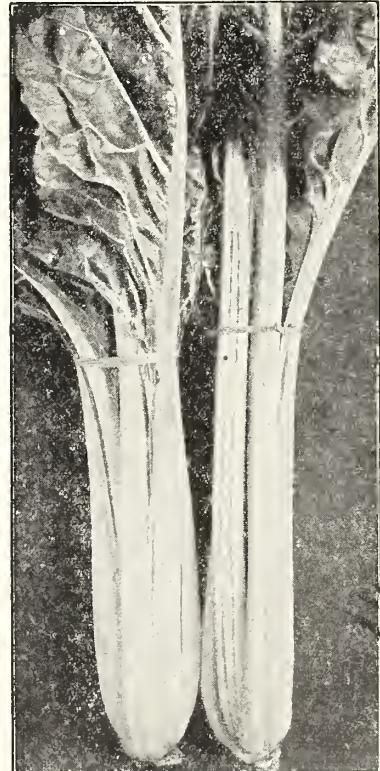
NOREBTON GIANT LONG RED. Similar to the Mammoth Long Red; has smaller top and neck; flesh scarlet. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

RIVENHALL GIANT. This is one of the finest types of the yellow globe mangel in cultivation. The roots are immense size and exceptionally even in shape. The skin is an orange-yellow with a reddish-yellow base. The flesh is white, being firm and fine grain which renders it an excellent keeping variety. It grows fully three-fourths above ground with a very small tap root which makes it well adapted to light soil. Price, oz. pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

SUGAR BEETS

KLEIN WANZLEBEN. This variety is cultivated on a larger scale than any other Sugar Beet. Root is conical, straight and even, large at top and rapidly tapering. Not as large as some of the other sorts, but contains the largest percentage of saccharine matter. Price, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

The ground for root crops, such as beets, carrots, parsnips, salsify, etc., should be dug deeply and well pulverized to insure straight and well-formed roots.



Swiss Chard



ROSS BROS. CO.

Seeds and Implements



CABBAGE

An ounce will produce about 3,000 plants

Cabbage will thrive on any good garden soil but is more successfully grown on deep, strong loam, and new soil is much preferable, as on old land the roots are more liable to be affected by the disease called club-root. Especially should land be avoided upon which, within two years, cabbage, cauliflower, turnips or radishes have been grown.

For the earliest crop seed is usually sown in February or March in hotbeds with only moderate bottom heat, and the plants hardened by gradually exposing them to the night air and transplanted as early as the ground is in suitable condition.

Seed of the second-early, autumn and winter varieties, may be sown in the open ground. If a second crop is desired to follow closely the early crop, seed of some second-early sort should be sown as soon as ground can be worked. For later crops, successive sowings may be made, in this latitude, until about the middle of June, possibly some later, the time depending somewhat on the nature and condition of the soil, the season, and more on the variety.

Yellows Resistant Cabbage

The term, "Yellows-Resistant" cabbage seed, does not necessarily imply that this seed is to be planted only in soil infested with the Yellows or Wilt. Our Resistant seed has a very high germination test, and produces a harder plant, surer producer and yields greater tonnage than ordinary commercial strains.

The production of Resistant stock seed requires many years of reselection and cross-breeding, more than is necessary with the ordinary commercial strains, resulting in uniformly better seed.

In some sections, this disease is called the "Yellows"; in others, the "Wilt." It is present and spreading fast in many sections where they are not aware of it and do not recognize it as such. A poor crop of cabbage or some dried up plants, is often times ascribed to weather conditions or other causes, when in fact the field is infested with the Yellows.

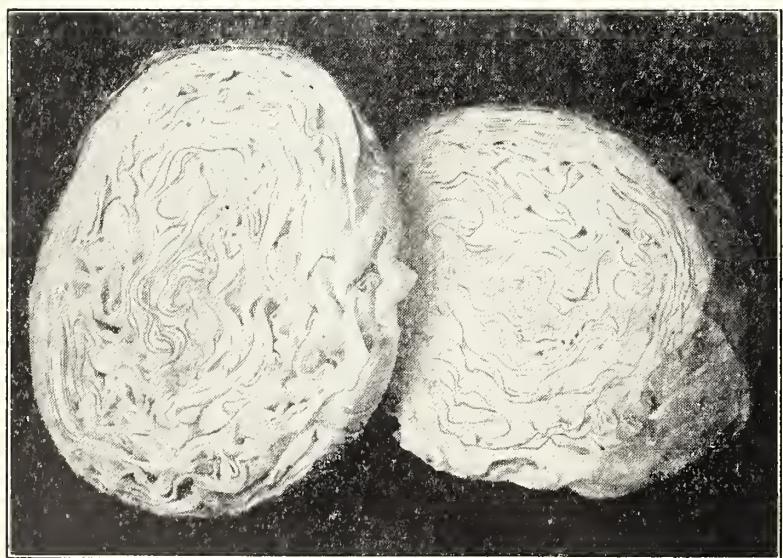
At the present time we are in a position to offer only one variety of this seed which is rapidly coming into favor by all growers of cabbage.

DANISH BALLHEAD "YELLOWS-RESISTANT." Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

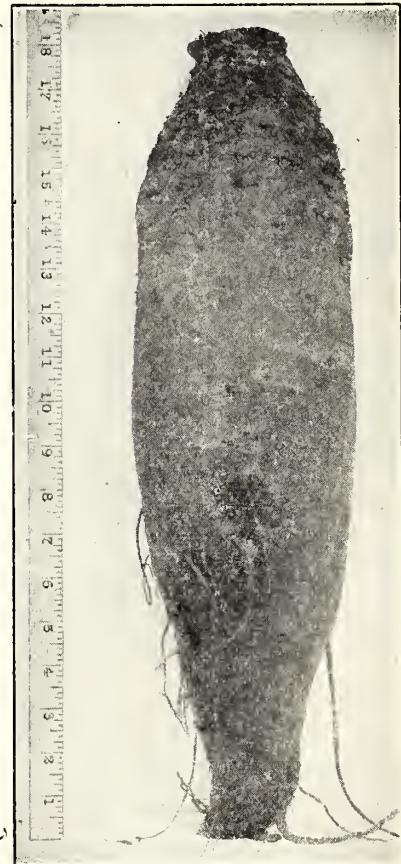
Copenhagen Market

The Best Early Cabbage

As early as the Charleston Wakefield it fully meets the requirements of earliness expected of an Extra Early variety, while the heads are as large or larger than the Danish Ballhead, averaging in weight about ten pounds. This type is remarkably well-fixed, the heads perfectly ball-shaped, all maturing at the same time. The plant is short-stemmed, the heads being produced only a little above the ground. The light green, rather small leaves are saucer-shaped and always tightly folded, permitting of closer planting than usual with other varieties, having a head of equal size. No other early variety will produce so great a weight per acre and we doubt if any of the later varieties will much surpass it in this respect. The Copenhagen Market has proven itself a valuable addition to the market garden varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.



Copenhagen Market Cabbage



Mammoth Long Red Mangel
See Page 23

ALL SEASONS. For reliability in heading, not surpassed by any other variety, and few equal it in ability to stand the hot sun and dry weather and when mature to remain in the field so long without bursting. Heads as large as most of the later sorts, nearly round or somewhat flattened, solid and of finest quality. Extensively used for both second early and main crop. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

AMERICAN IMPROVED SAVOY. The best of the Savoy type, which should be more largely grown. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

CHARLESTON EARLY WAKEFIELD. A favorite with the market gardeners. Resembles the Early Jersey Wakefield in form but is much larger. Matures equally as early. Very uniform in shape and very desirable for the market gardener. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Do you receive our fall catalogue for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book send us your name and address and we will gladly put you on our mailing list for our next fall catalogue.

EVERYBODY KNOWS

Ross' Seed Grows

CABBAGE—



Danish Ballhead

EARLY WINNINGSTADT. Head large, conical, hard, and keeps well. Plant very hardy and sure to head. **Pkt. 10 cts., 1/2 oz.** 15 cts., oz. 25 cts., 1/4 lb. 75 cts.

EARLY JERSEY WAKEFIELD. Although this variety is not as early as the preceding one, it will be found the very best conical heading sort to come in immediately after. It is very compact, medium size, conical and a sure header. **Pkt. 10 cts., 1/2 oz. 15 cts., 1 oz. 25 cts., 1/4 lb. 75 cts.**

DANISH BALLHEAD. This is now the most popular main crop variety for market, due to its remarkable solidity, weight, uniformity in size, fine keeping qualities and attractive round head. It is especially valuable for shipping to distant markets and for late spring use. Though the heads are but of medium size, owing to their great weight the product of an acre exceeds in weight that of any other variety. We offer a strain of seed which has been proved by repeated trials to be unsurpassed. **Pkt. 10 cts., 1/2 oz. 20 cts., 1 oz. 35 cts., 1/4 lb. \$1.00.**

DANISH ROUNDHEAD. Matures a little earlier than the Danish Ballhead.

The heads are nearly round and have a short stalk and are very hard. The inside leaves are white and sweet. It is a healthy variety and able to stand heat and resist disease. The heads, although making quicker growth, are fully as large as Ballhead and equally as good in every way; keeping well during the winter and of excellent quality. **Pkt. 10 cts., 1/2 oz. 20 cts., 1 oz. 35 cts., 1/4 lb. \$1.00.**

ENKHUIZEN GLORY. This comparatively new cabbage has proved to be the best second-early variety yet introduced. Earlier than All Seasons, it is more solid than either that or Henderson's Early Summer, and is of better shape than either, being nearly round, approaching closely in this respect the Copenhagen Market. **Pkt. 10 cts., 1/2 oz. 20 cts., 1 oz. 35 cts., 1/4 lb. \$1.00.**

THE GOLDEN ACRE matures 10 days earlier than the earliest strain of Copenhagen Market. The Golden Acre begins to form heads as soon as the leaves have reached only the size of a saucer and the growth may be observed from day to day. It matures in only eighty (80) days from date of sowing, and no other cabbage of which we know—including the earliest strain of Jersey Wakefield—has proven quite as early. We believe it to be the earliest cabbage in existence. **Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.50.**

PREMIUM FLAT DUTCH. An old standard late variety. Head large, flat and solid. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

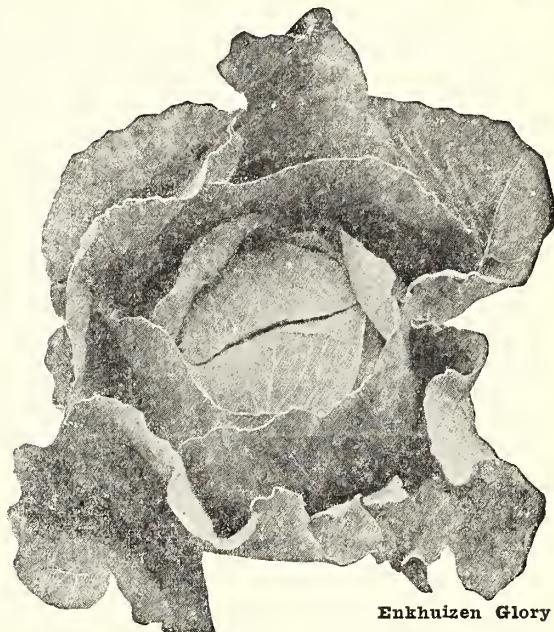
MAMMOTH ROCK RED. Head larger and more solid than Red Drumhead; reliable in heading. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

SUREHEAD. The heads are uniform in size and very hard and firm. They weigh from ten to fifteen pounds each. Is of the flat Dutch type. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

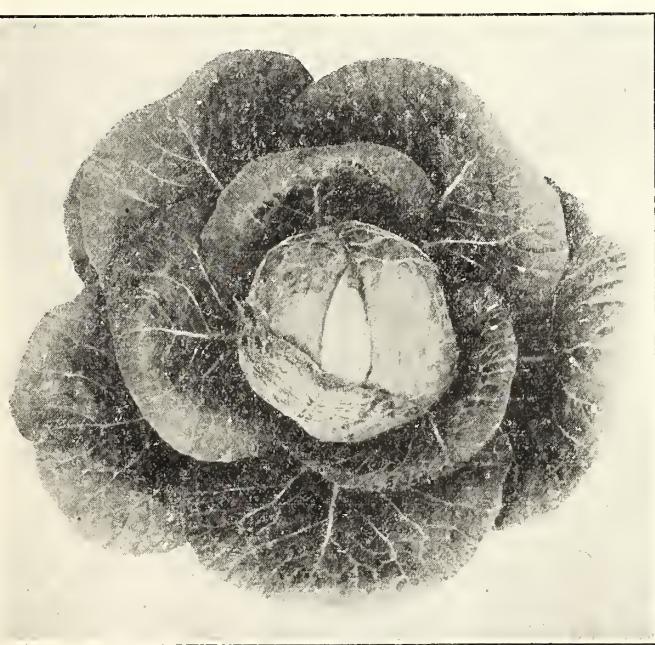
WARREN STONE MASON. An improved strain of the old Stone Mason. Previous to the introduction of the Danish Ballhead, the most popular variety in New England for main crop. Earlier and more nearly round than the old strain, of medium size, hard, solid and of excellent quality. Reliable and keeps well. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

CHINESE CABBAGE, PE-TSAI. Distinct from the Cabbage of Commerce. Somewhat resembling Cos Lettuce, in fact sometimes called Celery Lettuce. It can be eaten either as a salad or cooked like ordinary Cabbage. Culture same as late Cabbage. Sow early in July. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts., 1/4 lb. 75 cts.**

Have you tried our
EUREKA ENSILAGE CORN
 Sold only in our trade marked bags.



Enkhuizen Glory





ROSS BROS. CO.

Seeds and Implements



CARROT

An ounce will sow about 150 feet of drill; 3 pounds to the acre

Modern cooking methods furnish numerous recipes in which Carrots are a most delicious dish. Creamed alone, or in combination with Peas or other vegetables, they meet the approval of the most epicurean taste. They are used extensively in the best restaurants. For home use they are deservedly increasing in popular favor, not only as a table delicacy, but because of their high food value. For stock feeding the nutritive value of Carrots surpasses most other vegetables. Every stock owner should plant at least a small acreage of Carrots to supplement his fodder ration next winter to take the place of grain. In proportion to other costs they furnish very cheap food.

The Carrot thrives best in a light, sandy soil, free from stones, well enriched, and deeply and thoroughly worked. Make the top surface fine and smooth by raking. Sow in drills 14 inches apart and half an inch deep and thin plants to 3 or 4 inches apart. Sow from the middle of April to the middle of June.

CHANTENAY. A most excellent medium early, half long variety. It is one of the best in quality for the market and home garden, while its great productiveness and the ease with which it can be harvested make it desirable as a field sort. The tops are medium sized with small neck. The mature roots are thick, five and one-half to six inches in length, uniformly half long or stump rooted but tapering slightly, smooth, deep orange-red in color. The flesh is very crisp and tender. Although a medium early sort the roots are suitable for use nearly as early as any. The variety is extensively used for bunching. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 45 cts., lb. \$1.50.**

DANVERS HALF LONG. A well known rich orange red variety, very smooth and handsome, producing extra heavy crops. An excellent market variety; crisp, sweet and tender. Although the roots are short, they produce as large a bulk as the longer field sorts and are more easily harvested. This variety has yielded 25 tons per acre. We have given this our special attention and offer at this time as good strain of seed as is possible to obtain. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 45 cts., lb. \$1.50.**

HUTCHINSON. Unquestionably the finest strain of Carrot yet introduced. This is a selection from the well-known Danvers, made by the late Mr. Amos Hutchinson, of Peabody, Mass. This Carrot always commanded the highest price in the market. In color it is a little darker than the Danvers, grows from one to two inches longer, and holds its fullness well down, and is a much heavier cropper. Two Carrots go across the box. You will actually secure 20 per cent more Carrots per acre from this variety than from the Danvers, and the flavor is superior to all other Carrots. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.00.**

LONG ORANGE IMPROVED. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding, combining great productiveness with uniform shape where grown in light, deep rich soil. When of size suitable for the table, the roots are tender and of good quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.25.**

LARGE WHITE BELGIAN. Grows one-third out of ground. The portion above ground is green, that below white, large and rather coarse. Used only for stock. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

NANTES. (Scarlet Stump Rooted.) This early variety has small tops and is excellent for the market or home garden. The roots are smooth and of a bright orange color. It is of fine quality and is one of the most symmetrical of the medium size sorts. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

Perfection

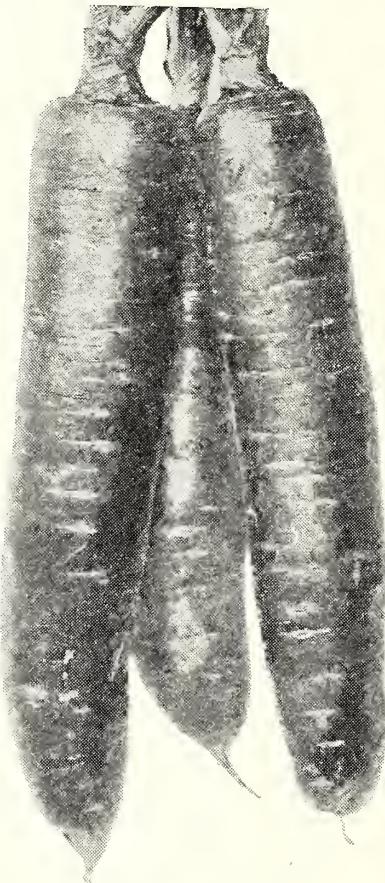
This new introduction which is best described as a blunt-ended James Intermediate is almost entirely free from core. Flesh is strikingly deep red, tender and very delicate. The roots are rather long and comparatively thick, whereas tops are very small. Grows very uniform. Produces a heavy crop of roots which can be easily kept in prime condition throughout the winter. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.00.**

Pride of Denmark

A carrot of great promise. It is a cross between the Nantes and Chantenay and resembles the Hutchinson in shape and is of equal good quality. Its bright orange-scarlet color, its size and productiveness are in favor of its becoming one of the leading market varieties. Our trials during the past season would indicate that this variety will be in great demand as soon as its qualities are known. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.00.**



Danvers Half Long



Pride of Denmark

EVERYBODY KNOWS Ross' Seed Grows

Cauliflower

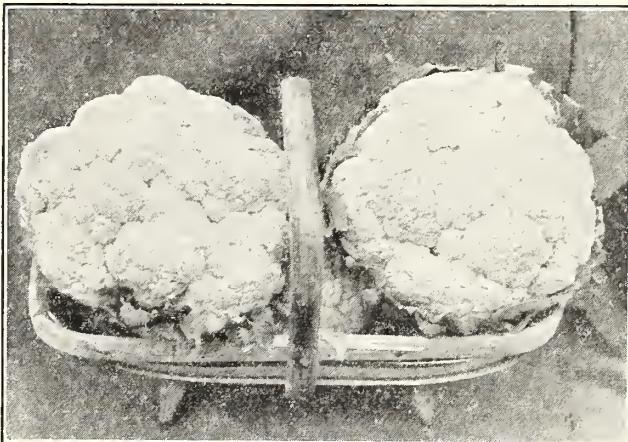
An ounce will produce 3,000 plants

In general, the Cauliflower requires about the same treatment as the cabbage; moist land is, however, more essential and heavier manuring and more frequent cultivation aids to a greater extent the full development of the plant. In this climate the plant heads well only in the cool fall months. Seed should therefore be sown as for late cabbage, from the middle of May to middle of June, the late varieties, however, requiring a little more time than most late cabbage.

EARLY SNOWBALL. The earliest and surest to head. Probably more largely used than all others combined. We offer an unsurpassed strain from one of the leading growers in Denmark. Pkt. 20 cts., $\frac{1}{4}$ oz. 90 cts., $\frac{1}{2}$ oz. \$1.65, oz. \$3.00.

EARLIEST DWARF ERFURT. One of the earliest varieties; very dwarf, with large, white, compact heads of finest quality. Excellent for forcing. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1.00, $\frac{1}{2}$ oz. \$1.85, oz. \$3.50.

EARLY LONDON. A well-known variety, maturing its head soon after the extra-early sorts. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.



Snowball Cauliflower (Selected Stock)

Celery

An ounce will produce about 10,000 plants

It requires about three months from sowing until the seedlings are ready to set in permanent place. For early setting, seed may be sown indoors in shallow boxes or in a cold frame, for later setting early in the open ground. Sow in fine soil, cover lightly and firm soil well with hoe or board. Keep soil moist, until seed germinates, nearly wet. When two or three inches high transplant so plants will be three inches apart each way. Shearing off the tops when plants are four inches high will make them more stocky. As soon as well rooted transplant to permanent location. In the field, plants are set in rows four to six feet apart with plant eight to twelve inches apart in the row. In the garden they are often set much closer. To blanch, draw earth about the plant from time to time, taking care that the tops of the center shoots are not covered.

EASY BLANCHING. A distinct sort. Very quick and easy to blanch, has exceptional keeping quality. The plant is of medium height, of great vigor, having thick rather than broad stalks, with shallow ribs. The stalks are very brittle and the flavor extremely spicy. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 85 cts.

GIANT PASCAL. A green leaved variety which developed from the Golden Self-Blanching. Very solid and crisp, of the finest quality, stringless, tender and of a peculiarly sweet, nutty flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

GOLDEN SELF-BLANCHING. The most popular variety for market, easily blanched, very attractive, of good quality, though not equal to some of the green celeries.

TRUE FRENCH-GROWN SEED. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00.

AMERICAN-GROWN SEED. Seed plants grown direct from French seed. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

WHITE PLUME. The earliest and most easily blanched of all varieties, very showy, of good quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts.

WINTER QUEEN. Of medium height, but stout, thick, and heavy, with a larger amount of heart than most other sorts. Of fine quality, more easily handled than the Giant Pascal, and an excellent keeper. One of the best for late winter use. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts.

Celeriac—Turnip Rooted Celery

Sow seed and treat in first stage of growth as directed for celery. Set in rows 2 feet apart and 6 inches apart in the row. As the roots only are used, no banking is necessary. When roots have reached a size of 2 inches in diameter they are ready for use. These are boiled, sliced and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

LARGE SMOOTH PRAGUE. An improved sort with nearly round roots which have but few side roots. Pkt. 10 cts., oz. 25 cts., 2 ozs. 45 cts., $\frac{1}{4}$ lb. 80 cts.

Chervil Curled

A hardy annual, used for flavoring and garnishing. It is thought by some to exceed even parsley in beauty. Seed should be sown early in the spring and when plants are well-rooted, transplant to one foot apart. The leaves will be ready for use in seven to ten weeks from planting. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts.



Giant Pascal Celery

Germination on All Seeds Sent on Request,
Also Purity on
Grass Seeds, Clovers and all Field Seeds



ROSS BROS. CO.

Seeds and Implements



Cucumber

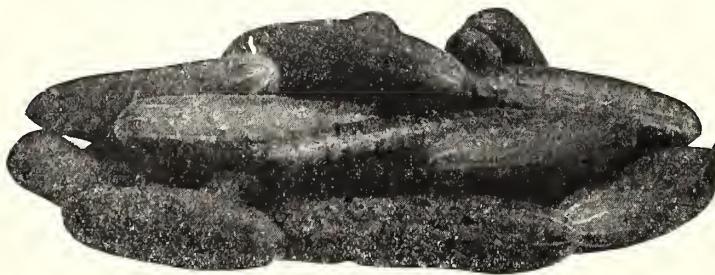
An ounce will plant about 50 hills. 1½ to 2 pounds to the acre

The Cucumber requires well-enriched soil, and should not be planted until settled warm weather, in this latitude, seldom before the middle of May. Plant the early, small kinds in hills 3½ to 4 feet apart, the larger varieties 5 to 6 feet. Make the hills broad, use 15 to 20 seeds to the hill, dropping them well apart. Cover with not over an inch of earth, and firm this well with the hoe. If the young plants are attacked by the striped bugs or other insects, dust frequently with air-slacked lime, soot or ashes mixed with road dust, taking care that too much is not used at one time. When all danger from bugs is past, thin to three plants to the hill. Give frequent shallow cultivation as long as vines will permit.

Davis Perfect

Fine length, slinness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth makes it the best bright resister of the longer sorts. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.**

BOSTON PICKLING. For pickling this variety is superior to all others. Its fruit is short, pointed at each end, bright green, uniform in size, very productive and of superior quality. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.35.**



Improved White Spine

JAPANESE CLIMBING. Vine very vigorous with especially strong grasping tendril. Fruit of good size and quality. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.35.**

LONG GREEN. An old standard variety, very popular for home gardens but little used for market. Fruit very long, slender, very firm and crisp, uniformly dark green; makes fine pickles and is the best of all when ripe for making sweet pickles. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.**

Corn Salad, Fetticus, or Lamb's Lettuce

A hardy, rapid-growing plant, often used in winter as a substitute for lettuce and is sometimes cooked and used like spinach. It does not thrive in hot weather and if sown in the spring it should be very early and on extremely rich soil. It will then be ready for use in four to six weeks. It, however, succeeds best when sown in August or September. If sown in the former, it will be ready for use in the late fall. If left in the ground during winter, it should, on the approach of cold weather, be protected with straw or litter. **Pkt. 10 cts., oz. 30 cts., 2 ozs. 55 cts., ¼ lb. \$1.00.**

We send one pound or less postpaid; for larger quantities by parcel post, postage must be sent. See inside front cover.



Early Fortune

The most uniform and best colored Cucumber of recent introduction.

EARLY FORTUNE. The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease resistant and very productive. Fruits are uniformly nine inches long, slightly tapering toward each end, perfectly round and of a very rich dark green color which does not fade in shipping; flesh very thick, firm and crisp, and with an exceedingly small seed cavity. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.**

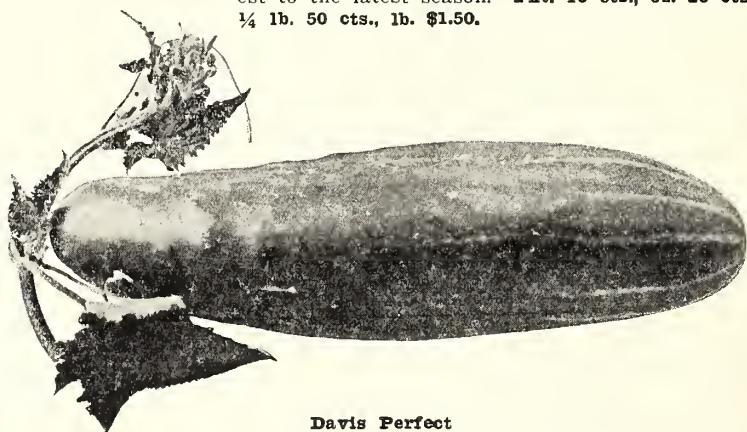
EARLY CLUSTER. Early and productive. Fruit small, dark green, borne in pairs or clusters, largely near the root. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.35.**

EARLY RUSSIAN. The earliest and hardiest variety. Fruit 3 to 4 inches long. Vine vigorous and productive. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.35.**

EXTRA LONG, or EVERGREEN WHITE SPINE.

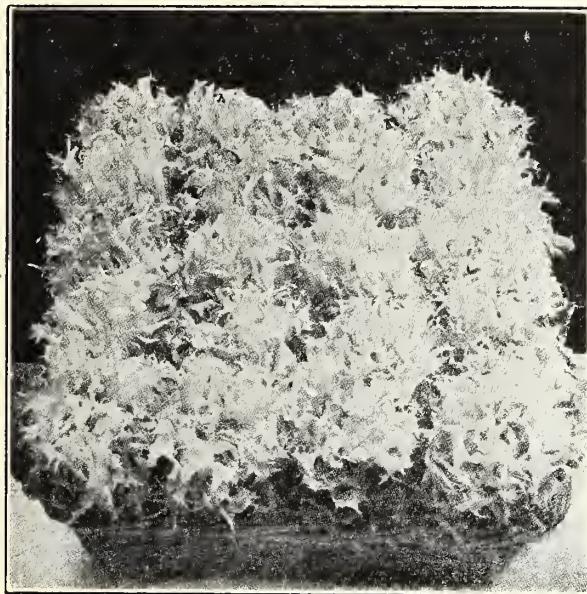
A distinct and superior strain of this popular type. Fruit long, cylindrical, dark green, crisp and tender. Vine productive and comes into bearing soon after the Early White Spine. Popular with market gardeners. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.**

IMPROVED WHITE SPINE. Perfection has been attained in this grand improvement in the White Spine family. It is early, prolific and produces a continuous crop of uniformly large and symmetrical fruits of an intensely rich deep green color, faintly marked with light yellowish shading toward the tip. It runs very close to type, bearing practically no mis-shapen fruit or culls. It is the ideal for slicing; the flesh is compact, fine-grained, sparkling white and of most refreshing and delightful flavor. The vines are vigorous, quite healthy, and mildew-proof, maintaining their luxuriance and bearing abundantly from the earliest to the latest season. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.**



Davis Perfect

EVERYBODY KNOWS Ross' Seed Grows



Endive Batavian Broad Leaf

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

Endive **An ounce will sow 300 feet of drill, producing from 2,000 to 2,500 plants**
Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

LARGE GREEN CURLED. Of larger growth, not so much curled as preceding. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

BATAVIAN BROAD LEAVED (Escarole). A variety having broad, more or less twisted and waved bright green leaves with thick, nearly white midribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

Fennel (Finocchio)

(FLORENCE, or NAPLES.) Resembles Celery in flavor, but has a sweet taste and delicate odor. Should be sown in Spring in drills 18 inches apart and the plants thinned to 5 or 6 inches apart. **Pkt. 10 cts., oz. 50 cts., 1/4 lb. \$1.50.**

Cress, Curled or Pepper Grass

A small pungent salad plant, much liked by some with lettuce. Like all salad plants, it should be grown on rich ground. Seed may be sown early in the spring, but if desired through the summer, repeated sowing will be necessary. **Pkt. 10 cts., oz. 20 cts., 2 oz. 35 cts., 1/4 lb. 60 cts.**

Water Cress

WATER CRESS. Hardy plant which can be grown in a pond or along the banks of a running stream. Largely used as a garnish during the winter and early spring months. **Pkt. 10 cts., 1/2 oz. 35 cts., oz. 60 cts., 1/4 lb. \$2.00.**

Egg Plant

An ounce will produce about 2,000 plants

The Egg Plant, like all sub-tropical plants, requires, for both germination of seed and vigorous growth of plant, a high temperature. The seed is slow in germinating, and should be sown about the first of April. When the young plants show two rough leaves, transplant 3 to 4 inches apart, and when settled warm weather comes, set in rich, warm soil, 2 1/2 to 3 feet apart each way.

BLACK PEKIN. An early variety, nearly round, large, smooth, black and glossy. Plants prolific, leaves purplish black. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 55 cts.**

NEW YORK IMPROVED (Spineless). The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive; foliage light green. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.**

BLACK BEAUTY. A valuable variety, ready for use two weeks earlier than any other sort. The fruit is thick and of a rich purplish-black color. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.**

Chicory
WHITLOOP, or FRENCH ENDIVE. Esteemed as a salad plant. Spring-sown seeds produce parsnip-like roots by November. Cut the leaves off 1 1/2 inches from the neck, trench 1 1/2 inches apart, cover with soil 8 inches over crown; then place a 2 or 3 foot layer of fresh manure which induces new growth of blanched leaves folded like Cos Lettuce, which are eaten raw as salad. **Pkt. 10 cts., oz. 30 cts., 1/4 lb. 85 cts.**

Chives

CHIVES. Are a small, hardy perennial plant resembling onion in appearance and grow in clusters. They are grown for the leaves, which are produced freely from early spring and give a mild onion flavor to sausages, salads and soups. They can be easily grown in pots at a sunny window during the winter. **Pkt. 15 cts., 1/2 oz. 40 cts., 1 oz. 75 cts.**

Collards

(One oz. for about 5,000 plants)

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage.

GEORGIA. The most satisfactory variety for general use. **Pkt. 10 cts., 1 oz. 25 cts.**

Dandelion

An ounce will sow 200 feet of drill. Two pounds to the acre.

Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm. Thin to 5 inches apart in row. Cultivate frequently through the summer. Plants ready for cutting the following spring.

IMPROVED THICK LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular upright tuft. **Pkt. 10 cts., 1/2 oz. 35 cts., 1 oz. 55 cts., 1/4 lb. \$1.75.**

CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common Dandelion. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

Dill

An ounce will sow 200 feet of drill. Two pounds to the acre.

Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm. Thin to 5 inches apart in row. Cultivate frequently through the summer. Plants ready for cutting the following spring.

IMPROVED THICK LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular upright tuft. **Pkt. 10 cts., 1/2 oz. 35 cts., 1 oz. 55 cts., 1/4 lb. \$1.75.**

CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common Dandelion. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

Endive

An ounce will sow 300 feet of drill, producing from 2,000 to 2,500 plants

Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

LARGE GREEN CURLED. Of larger growth, not so much curled as preceding. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

BATAVIAN BROAD LEAVED (Escarole). A variety having broad, more or less twisted and waved bright green leaves with thick, nearly white midribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.**

Fennel (Finocchio)

(FLORENCE, or NAPLES.) Resembles Celery in flavor, but has a sweet taste and delicate odor. Should be sown in Spring in drills 18 inches apart and the plants thinned to 5 or 6 inches apart. **Pkt. 10 cts., oz. 50 cts., 1/4 lb. \$1.50.**

Cress, Curled or Pepper Grass

A small pungent salad plant, much liked by some with lettuce. Like all salad plants, it should be grown on rich ground. Seed may be sown early in the spring, but if desired through the summer, repeated sowing will be necessary. **Pkt. 10 cts., oz. 20 cts., 2 oz. 35 cts., 1/4 lb. 60 cts.**

Water Cress

WATER CRESS. Hardy plant which can be grown in a pond or along the banks of a running stream. Largely used as a garnish during the winter and early spring months. **Pkt. 10 cts., 1/2 oz. 35 cts., oz. 60 cts., 1/4 lb. \$2.00.**

Egg Plant

An ounce will produce about 2,000 plants

The Egg Plant, like all sub-tropical plants, requires, for both germination of seed and vigorous growth of plant, a high temperature. The seed is slow in germinating, and should be sown about the first of April. When the young plants show two rough leaves, transplant 3 to 4 inches apart, and when settled warm weather comes, set in rich, warm soil, 2 1/2 to 3 feet apart each way.

BLACK PEKIN. An early variety, nearly round, large, smooth, black and glossy. Plants prolific, leaves purplish black. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 55 cts.**

NEW YORK IMPROVED (Spineless). The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive; foliage light green. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.**

BLACK BEAUTY. A valuable variety, ready for use two weeks earlier than any other sort. The fruit is thick and of a rich purplish-black color. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.**



New York Improved Egg Plant



ROSS BROS. CO.

Seeds and Implements



Kohl Rabi

An ounce will sow about 200 feet of drill

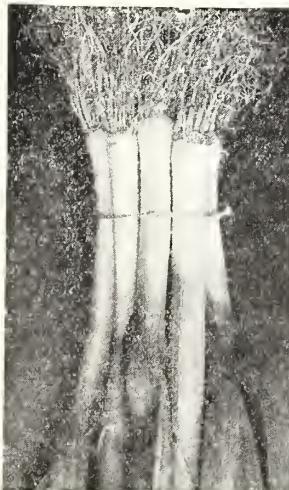
The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip. Seed should be sown in light rich soil as early in spring as possible, in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather; when they fail to grow well. Planting may be made the latter part of July for fall use.

EARLY WHITE VIENNA (Extra for forcing). This variety is extremely early with distinctly small tops. The bulbs are of medium size, very light green or nearly white, and are of best quality for the table if used when about two inches in diameter. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

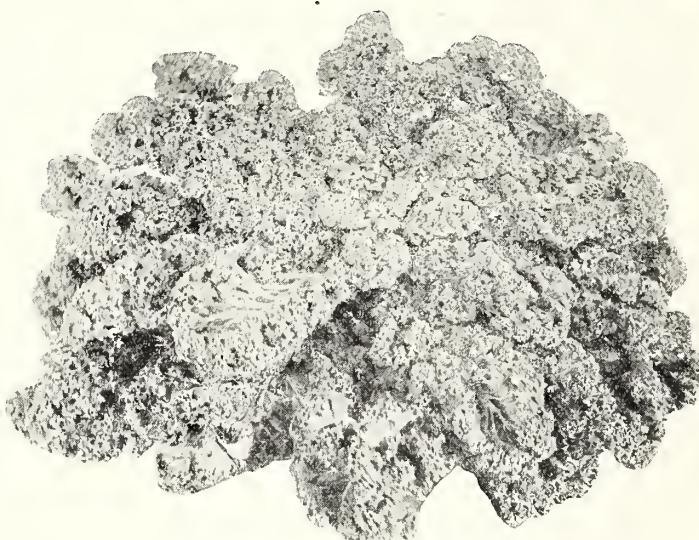
EARLY PURPLE VIENNA. Very early, with small top, the leaf stems being tinged with purple. Bulbs of medium size, purple, flesh white. Desirable for forcing and early outdoor planting. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

Leek

Leeks require rich soil. Sow early in spring in deep drills, eighteen inches apart, but cover with but one-half inch of soil, thin plants to about eight inches apart and as they grow gradually fill the drill and draw the earth around them as with celery. Or if very tender and white leeks are desired, sow in bed and transplant when plants are six inches high into trenches six or eight inches deep and as they grow gradually fill the trench and later draw the earth around them so that it will be two or three inches above the level.



Leek



Kale, Dwarf Green Curled Scotch

AMERICAN BROAD FLAG. A desirable strong growing, broad leaved leek, hardy and productive. It is a favorite with many market gardeners and is also extensively used for the home garden. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

GIANT MUSSELBURGHE. A very hardy variety of extra-large size; the leaves are fan-shaped of a dark green color, the edible stem is 6 to 8 inches long and 3 inches in diameter. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 85 cts.**

KALE or BORECOLE

An ounce will produce 2,000 plants

DWARF CURLED SCOTCH. For early use, sow in May and transplant in June, and treat generally as for cabbage. One of the best plants grown for greens. This is a finely curled, low growing variety, the leaves of which when properly cooked make very palatable greens. The plant is very hardy, the leaves are long, and of an attractive bright green color. This sort is also very often used for garnishing. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts.**

LETTUCE

An ounce will produce from 3,000 to 4,000 plants

Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, seed may generally be sown as soon as ground can be fitted, as while prolonged or continued freezing will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in the hotbed in gentle heat, and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing seed outdoors.

General Crop, Heading and Loose Leaved Varieties

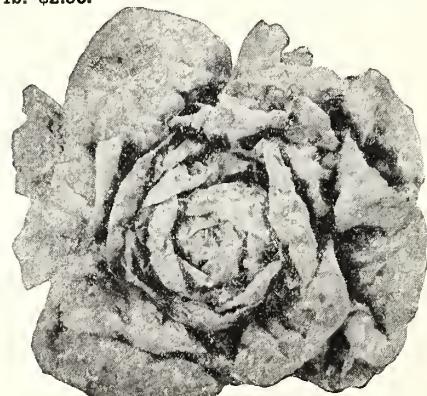
BELMONT FORCING. This is a plain-leaved variety. It forms a compact head and is, like the Tennisball, almost certain to head, making it a desirable and profitable variety for forcing. **Pkt. 10 cts., 1/2 oz. 40 cts., oz. 75 cts., 1/4 lb. \$2.50.**

BIG BOSTON WHITE SEEDED. Probably the most generally used in cultivation. It is a cabbage head, butter type, medium large, finely shaped, globular, medium light green with slight tinge of brown on margins of outer leaves. It is early and hardy and stands shipping well. The leaf is smooth and practically not blistered or savoyed, with a tendency to a bright sheen. The head itself is brittle, buttery and the interior quite a golden yellow. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

GREEN-LEAVED BIG BOSTON. A cabbage butter head; medium size; medium green. Is practically the same as Big Boston with no tint of brown and the head is of a whitish green. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

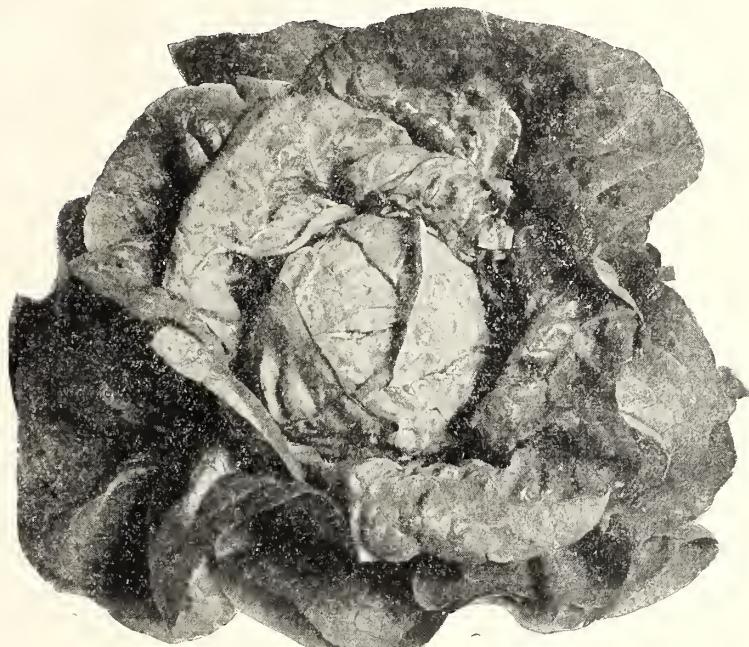
BLACK-SEEDED TENNISBALL. More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Leaves plain, thick, dark green; blanches to a rich creamy white inside. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

BLACK-SEEDED SIMPSON. Much larger than the preceding, but not so much curled. Forms a large, loose cluster of leaves rather than a head; leaves light yellowish green. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**



Lettuce, May King

EVERYBODY KNOWS Ross' Seed Grows



Black-Seeded Tennisball

ICEBERG. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The leaves are always crisp and tender. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

MAY KING. A new, very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class, is coming rapidly into favor here, both for outdoor planting and for forcing. Forms compact heads, nearly, if not quite, as early as White seeded Tennisball. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

NEW YORK MARKET. One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

PRIZE HEAD. A large, loose-leaved variety, which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish red; sweet, tender and of good flavor, but not equal to Crisp as Ice. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

SALAMANDER. A large, compact head of good quality. Leaves light green, broad, thick, somewhat crumpled, closely overlapping so that inside they blanch to a creamy white. Withstands heat remarkably. One of the best varieties for midsummer. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

WHITE-SEEDED TENNISBALL, OR BOSTON MARKET. An old and popular variety for forcing; heads small and compact. Not suitable for outdoor planting. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

Romaine or Cos Varieties

These are distinct from the ordinary lettuce, and much liked on account of their tender, crisp leaves and delicious flavor. The leaves are long and narrow and need to be tied up when they soon form solid heads and bleach snow white.

EXPRESS COS. A fine dwarf early sort requiring no tying up. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 30 cts., 1/4 lb. 65 cts.**

PARIS WHITE COS. One of the finest varieties for summer use. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 30 cts., 1/4 lb. 65 cts.**

TRIANTON COS. Similar to above but grows whiter and matures earlier. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 30 cts., 1/4 lb. 65 cts.**

Mustard

Used mainly for salads but is sometimes boiled for greens. Sow as early as ground can be worked in drills eighteen inches apart and one-half inch deep. If desired throughout the season, successive sowings should be made about every three weeks.

WHITE, OR YELLOW. The common variety. The seeds are often used to flavor pickles. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

SOUTHERN GIANT CURLED. Large, light green leaves, much crumpled at the edge. The best for salads. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

Lettuce

BOSTON FINE CURLED. Beautifully curled, excellent for garnishing. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

CRISP AS ICE. A midsummer variety, surpassing all of this class in crispness, tenderness and fine flavor. Forms large solid heads, with leaves crimped and curled, those outside being variegated dark green and bronze, the inner portion blanching to a rich creamy yellow. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

EARLY CURLED SIMPSON. (White-seeded.) An old variety, with broad, often frilled very curly light green leaves; sweet, tender of fine flavor. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

GRAND RAPIDS. Without doubt this is one of the easiest varieties of lettuce to grow. It forms no head but produces an abundant crop of pale green leaves, slightly but closely crumpled which have an excellent flavor. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

HANSON. An old variety of great merit. Forms a large flat, cabbage-like head, very slow to run to seed. The outer leaves are bright green, with veins of lighter shade, inner leaves white, usually curved and twisted at the base. A very attractive variety of excellent quality and extensively grown for home use. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**



Paris White Cos Lettuce



ROSS BROS. CO.

Seeds and Implements



Muskmelon

An ounce will plant about 50 hills. $1\frac{1}{2}$ to 2 pounds are required for an acre.

The Muskmelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills 4 to 5 feet apart, 10 or more seeds to each hill. Cover with one inch of soil and firm well with the hoe. If young plants are attacked by insects, dust them with air-slack lime or ashes mixed with twice as much road dust. Use this frequently but sparingly, as a large quantity at one time is liable to injure the plants. When all danger from insects is past, thin to three plants to the hill.

BENDER'S SURPRISE. (The Bender Melon)—A very popular variety in the east, particularly around Albany, N. Y. A selection from Surprise and a close kin to Irondequoit, differing from that variety in being more oblong, more full and rounded at the ends, not quite as well netted or as early; skin light greenish-yellow when ripe. A very delicious, large salmon-fleshed melon with superior shipping and keeping qualities. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

BURBELL'S GEM. The melons are six to seven inches long by four and a half to five inches in diameter, rather sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon-colored flesh, sweet and tender. The flesh is thick and firm, ripening close to the skin, leaving only a thin rind. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

EMERALD GEM. Small to medium size; skin deep green, generally smooth; flesh thick, rich salmon, not surpassed in richness and flavor. But few varieties are so nearly certain to produce uniformly good melons. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

EXTRA-EARLY HACKENSACK. Above medium size, nearly round; flesh green, a little coarse but juicy, sweet and of good flavor. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

HONEY DEW. The average size of the melon is six inches in diameter and seven to eight inches in length. The flesh is an emerald green, very thick, melting, and fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind impervious to water. The melon does not shrink in weight, is not easily bruised, and is a splendid shipper. It is later than Rocky Ford strains and is very prolific. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

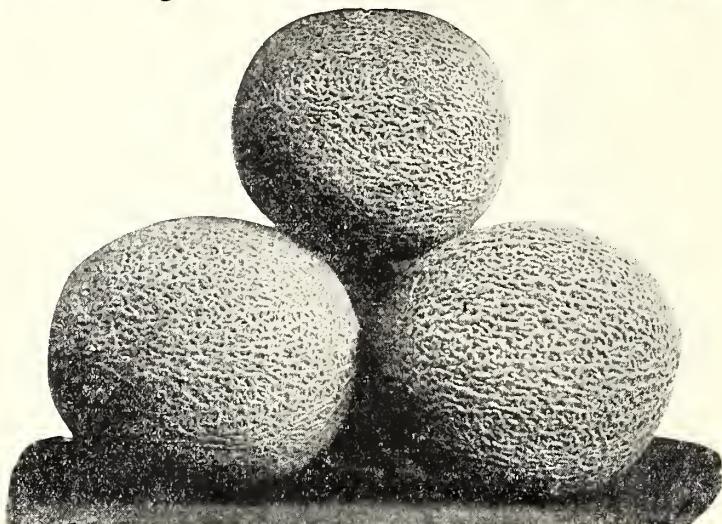
IMPROVED GREEN NUTMEG. Large, round, flattened at both ends. Ribbed and covered with coarse netting, flesh thick and of fine flavor. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

MONTREAL NUTMEG. The fruits are of the largest size, often attaining a weight of 15 pounds. Shape nearly round, flattened at the ends. The flesh is about two inches thick, light green, and of a delicious flavor. This variety commands high prices in the Eastern markets during the Fall months. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

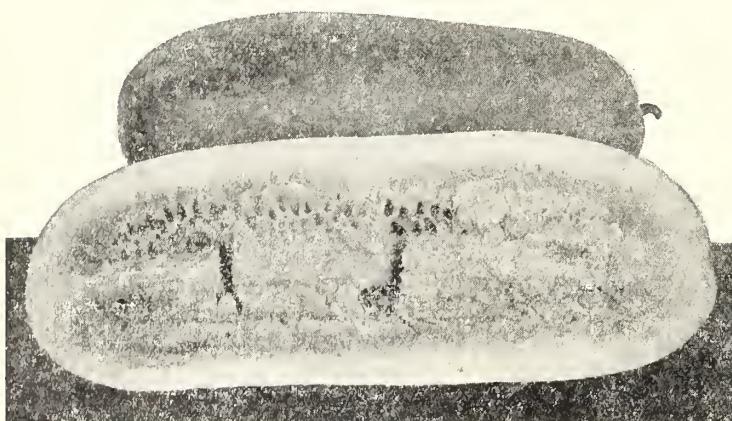
OSAGE, or IMPROVED MILLER'S CREAM. Of medium size, oval, dark green, shallow netting; flesh deep salmon, thick, very firm, sweet and of rich flavor. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

PAUL ROSE, or PETOSKEY. The product of crossing the Osage and the Netted Gem. Resembles the latter, but is a little larger, and flesh is rich orange. Very sweet and high flavored. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**

ROCKY FORD. More largely grown than any other of the small or basket melons. Oval, slightly ribbed, densely covered with fine netting; flesh green, thick and of rich flavor. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.**



Rocky Ford



Kleckley's Sweet

Watermelon

An ounce will plant about 25 hills—
4 pounds to the acre

The culture of the Watermelon is mainly the same as recommended for the Muskmelon, hills should, however, be about 10 feet apart.

COLE'S EARLY. Small but very early; of fine quality and sure to mature in any latitude where melons can be grown. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

HALBERT HONEY. A variety which rivals the Kleckley's Sweet in quality, while the vine is more productive. Fruit of medium size, blunt at both ends, deep glossy green; rind very thin; flesh crimson, entirely free from fibre, rich, sweet and melting. Unsurpassed for home use. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

HARRIS' EARLIEST. A new extra-early variety, large, and of exceptionally fine quality. Slightly oval, mottled in stripes of light and dark green. Flesh bright red. One of the most desirable for planting in the North. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

IRISH GREY. A long melon, rather large in size and is becoming more popular as a shipping kind. The rind is light green in color; the seeds are white and its eating qualities very fine. Average weight is 25 pounds. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

KLECKLEY'S SWEET, or MONTE CRISTO. One of the sweetest, above medium size; dark green; rind thin; flesh bright red. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

EVERYBODY KNOWS Ross' Seed Grows

Watermelon

MOUNTAIN SWEET. An old favorite, early, productive and of good quality. Fruit long, dark green; flesh scarlet. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

PEERLESS, or ICE CREAM. Of medium size, oval, dark green; flesh scarlet, very sweet. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

PHINNEY'S EARLY. A standard early variety of medium size, oval marbled light and dark green; flesh pink, sweet and crisp. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

SWEETHEART. Large, oval, very heavy; rind thin but firm mottled light and very light green; flesh bright red, tender, melting and sweet. Retains its good qualities for a long time after ripening. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

CITRON. For preserving only. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

Mushrooms



Mushrooms

Cultural directions, to be of any value, would be too lengthy to give here, but we will forward full directions for the planting and culture of spawn with each order.

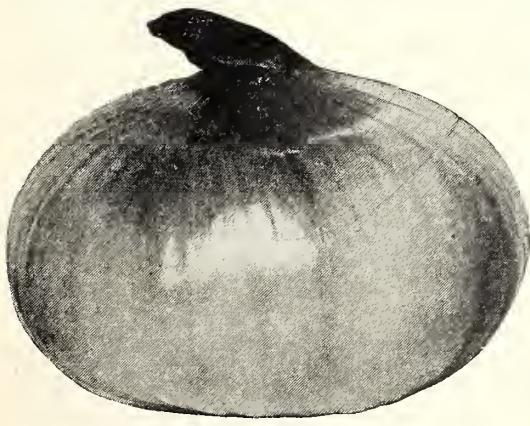
LAMBERT'S PURE CULTURE SPAWN. This will produce Mushrooms of a specific variety, selected with reference to size, color and yield, and eliminates absolutely any danger of poisonous specimens. Standard bricks weighing from 1 to $1\frac{1}{4}$ pounds, of the variety most largely cultivated. **40 cts. each. Postpaid, 50 cts each; 4 bricks, by express, \$1.45.**

Okra or Gumbo

The young seed pods are used in soups or stewed and served like asparagus. Much esteemed in the South. In the North requires an especially warm location and probably best results would be obtained by sowing seed in the hotbed. Set plants in rows two feet or more apart and about a foot apart in the row. The seeds are a long time in germinating.

DWARF GREEN. Early and productive; best for Northern cultivation. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**

PERKIN'S MAMMOTH LONG POD. A dwarf but enormously productive variety. Pods long, slender, deep green and remain tender much longer than most sorts. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.**



Red Wethersfield

Onion Sets



Yellow Onion Sets

We do not deliver Onion Sets free; purchaser pays transportation. Onion Sets weigh 1 lb. per quart. For Parcel Post zone rates see inside front cover.

Onion Sets require rich soil and with the exception of the Egyptian, early planting. Rows should be the same distance apart as suggested for onions grown from seed, and sets should be planted from 2 to 4 inches apart, and only lightly covered with earth, the top of set just below the surface, with

any growth it may have made above. Culture same as of onions from seed.

WHITE GLOBE. Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

YELLOW GLOBE. Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

EGYPTIAN, or PERENNIAL. (For Delivery in September.) Lb. 30 cts., 4 lbs. \$1.00, 8 lbs. \$1.75.

Special prices on bushel lots.

Onion

An ounce will sow about 200 feet of drill. 4 to 5 pounds to the acre.

The Onion usually thrives best on old, rich land, but can be profitably grown only on such as has been kept free from weeds. If stable manure is used, it should be either well rotted or plowed into the soil the previous fall. As manure always contains more or less weeds, many large growers use nothing but commercial fertilizer. The soil should be worked until manure or fertilizer is thoroughly mixed with it and the surface made fine and even by raking. Sow as early as ground can be prepared, in rows 12 to 14 inches apart, one-half inch deep, and make soil firm. Keep free from weeds, especially at first, for if the weeds once get ahead of the young plants it is almost useless to continue cultivation—the land would better be plowed and replanted with some other crop.

AILSA CRAIG. Of mammoth size, larger than the Prizetaker, oval-shaped, pale straw-colored skin; of very mild flavor. One of the best for exhibition on account of its enormous size. In England the most popular large onion. Bulbs have been grown that weighed $2\frac{1}{2}$ pounds. Extra large onions can, however, be obtained only by sowing seed early in the spring in the hotbed and transplanting to the open ground when plants are of sufficient size. Seed from English Prize-winning stock. **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts.**

SOUTHPORT YELLOW GLOBE. Bulbs nearly spherical, slightly elongated; does not mature quite so early as our selected strain of Yellow Globe Danvers; a little more inclined to grow stiff-necked on some soils or in unfavorable seasons, but when well-grown brings the highest price, especially in New York markets. **Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts.**

SOUTHPORT RED GLOBE. Identical in form with the preceding; rich, deep red, above medium size; an excellent keeper and one of the most attractive of all. **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts.**

SOUTHPORT WHITE GLOBE. Of true globe shape. Later than White Portugal; keeps better and, like all globular varieties, a greater weight can be obtained on the same area. **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts.**



ROSS BROS. CO.

Seeds and Implements



Onion—(Continued)

YELLOW GLOBE DANVERS. This is an old favorite—the standard variety for winter use in the Eastern markets. It produces well-ripened bulbs, averaging two inches in diameter and nearly globe shaped. The skin is a light golden brown or pale yellow, and the flesh is pure white, crisp, and mild in flavor. The plants have very slender necks, and consequently the bulbs keep well over winter. They ripen up uniformly, which characteristic recommends the variety to market growers. Although not quite so truly globe shaped as the Southport Yellow Globe Onion, they are somewhat earlier. On account of their attractive shape and color and their excellent keeping qualities they always bring a good price in the markets. Selected Strain. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts., 1 lb. \$2.75.**

WHITE PORTUGAL, or SILVERSKIN. An early white, flat variety, of medium size and mild flavor. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. 90 cts.**

LARGE RED WETHERSFIELD. The standard red variety. Bulb large, flattened but thick; skin deep purplish red. The best of all for light soils. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

PRIZETAKER. Of the largest size, form nearly globular; skin thin, light straw-color. Quite certain to bottom, but is later in maturing than any of the preceding, and though fine bulbs are often obtained from seed sown in the open ground in favorable locations, the largest and finest bulbs are grown from seeds sown in a hotbed and the plants set in the open ground when about six inches high. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 30 cts., 1/4 lb. 75 cts.**

Parsley

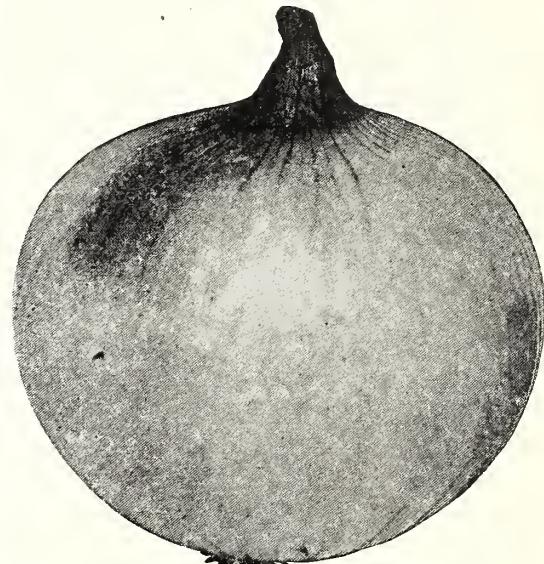
One ounce will sow 200 feet of drill

CULTURE—Parsley thrives in rich, mellow soil and, owing to the very slow germination of seed, succeeds best when seed is sown as early in the spring as ground can be worked. Sow in drills, one-half inch deep, 14 to 16 inches apart, and when well up thin plants to 8 inches. It may be cut when 3 or 4 inches high, and if soil is of the required richness will afford several cuttings during the season. The Moss Curled is perhaps slightly more curled, while the Double Curled is claimed by some to be the more productive of leaves and to better withstand dry weather.

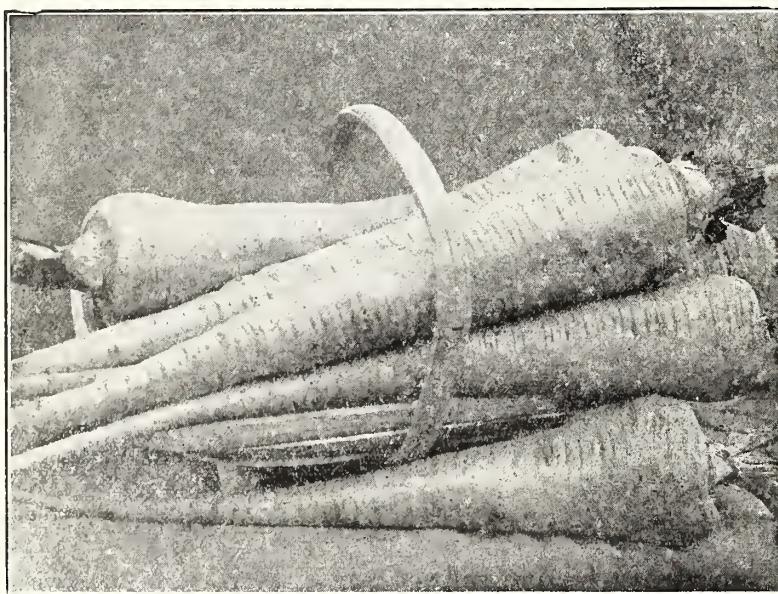
CHAMPION MOSS CURLED. This is a prize winning English variety, very distinct. It makes remarkably handsome, compact plants and its leaves have the appearance of finely curled moss. The plant is quite hardy and very slow to run to seed. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

DOUBLE CURLED. Plants compact, very curly and finely cut; bright green color. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

PLAIN LEAF. The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves as well as its hardiness of plant. The curled sorts are more extensively used for garnishing. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**



Yellow Globe Danvers Onion



Hollow Crown Parsnip

Parsnip

One ounce will sow 200 feet of drill, 6 pounds are required for an acre

CULTURE—The Parsnip thrives on any soil which is deep, mellow and moderately rich, but best on that which is rather light or sandy. Avoid the use of fresh manure, as, when used, roots are more inclined to be coarse, spongy and ill-shaped. Seed germinates slowly, should be sown fairly early and immediately after ground is prepared—that is, before the soil has become dry. Sow in rows 18 inches apart, cover with one-half inch of soil and make latter firm by rolling or with back of hoe. Thin plants to three inches apart.

Of each variety we offer a choice selected strain.
Each pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.

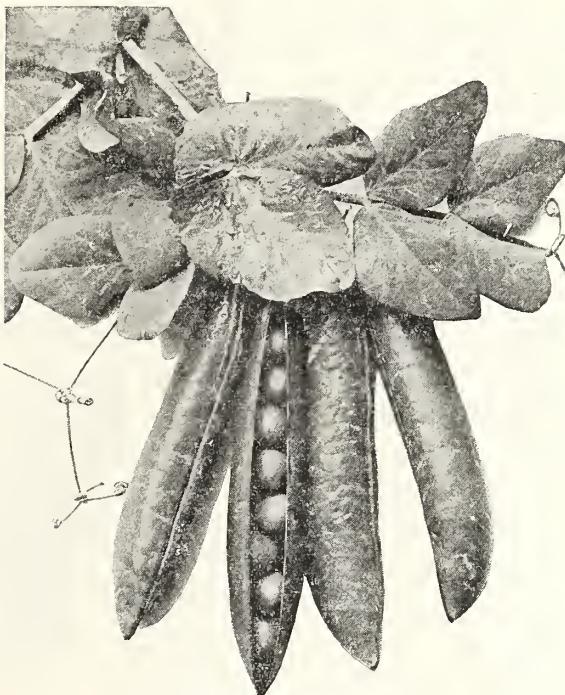
ARLINGTON LONG SMOOTH. Roots very long and smooth, with full crown, desirable for deep soil and, owing to the full crown, is less liable to rot if left in the ground through the winter than the Hollow Crown.

HOLLOW CROWN. Roots of medium length, thicker at the top or shoulder than the preceding; succeeds better on shallow or stiff soil; crown slightly depressed; does not, on this account, keep so well in the ground through the winter as the Arlington Long Smooth, but is more easily harvested and more extensively grown.

Peanuts

SPANISH. For a long time this has been the best variety. An early, heavy bearer; bushes growing close, so very easily cultivated. Grains or nuts are smaller, but more sweeter and finer flavored than the larger sorts. Best recleaned seed stock. **Pkt. 10 cts., lb. 40 cts., postpaid.**
By express, 10 lbs. or more 35 cts. per lb.

EVERYBODY KNOWS Ross' Seed Grows



Extra-Early Blue Bantam

crops of large, deep bluish-green pods. The pods measure four to four and one-half inches long and are tightly packed with eight to ten large, deep bluish-green peas. These peas are not only large in size, but of most luscious flavor. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

LAXTON'S PROGRESS. This is the earliest of the large-podded dwarf varieties. The pods are as large as Laxtonian, 4 inches long, broad and pointed, deep green in color, containing eight large dark green Peas of very high quality. The vines are 15 to 18 inches in height and are very productive. Laxton's Progress will mature Peas four days earlier than Laxtonian or Blue Bantam. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

LAXTONIAN. A grand early dwarf Pea. The pods of Laxtonian are very large and are produced on a low-growing, sturdy vine, without support of any kind. Unlike many of its class, Laxtonian fills to the full its ample pods with large, luscious peas. The flavor is just as rich and good as any of the later varieties, which entitles it to a permanent place in every garden. It is ready for use just about a week later than the very early sorts and is incomparably good in quality. It is admirable for private gardens, where its abundant crop, produced so early in the season, is extremely welcome. The plant is only 1½ feet high, branching in habit. Pods and plant are rich, dark green in color, revealing a constitutional strength which enables it to resist the extreme conditions to which Peas are subjected in many sections of the United States. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

LITTLE MARVEL. The Little Marvel Pea in size and shape all podded is very similar to the Nott's Excelsior but far more prolific. It is of exceptionally fine quality and enormously productive. The pods of this pea are about 3 to 4 inches long. It should be planted in every garden. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

Extra Early Varieties of Taller Growth

ALASKA. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height 2½ feet. Foliage and pods light green; pods 2½ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity. **Pkt. 20 cts., 1 lb. 30 cts., 2 lbs. 55 cts., 10 lbs. or over 25 cts. per lb.**

INOCULATE THIS
SEED WITH
MULFORD CULTURE

GARDEN PEAS

One pound will plant about 100 feet, 70 to 85 pounds an acre. Peas of the extra early, smooth class are the very first thing to be planted in the garden in the spring. The wrinkled sorts follow a little later, as they are not quite so hardy. The tall, late varieties need brush, wire or some other support. Though light, warm soil is desirable for the extra early varieties, peas generally produce a much larger crop on soil which is moderately heavy. By making the proper selection of varieties and planting frequently for succession, one may have a full supply of the choicest green peas during the entire season.

Plant the early and dwarf varieties in drills 2½ feet apart and 3 or 4 inches deep but cover with only one inch of soil and fill the trench gradually as plants grow. Plant the taller and later varieties in rows 3 to 4 feet apart and 5 to 6 inches deep, covering as already suggested. The tall, late varieties may be planted in double rows, thus using the supports, which may be set between for both rows.

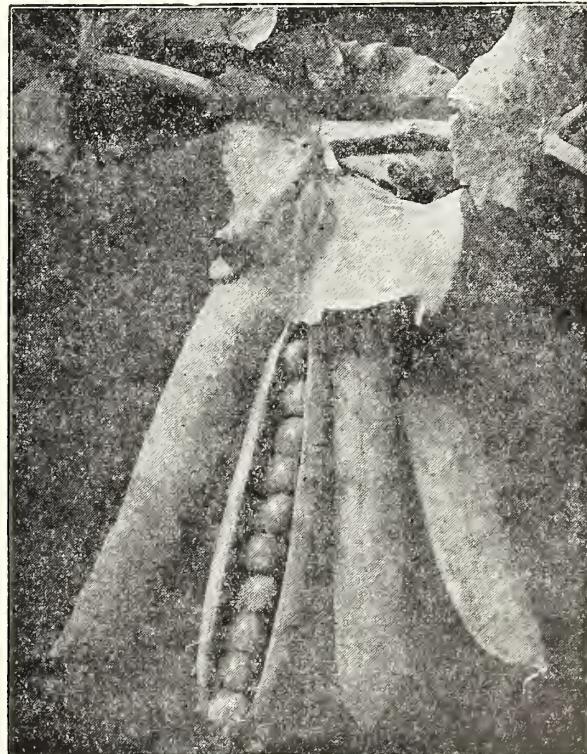
PEAS BY PARCEL POST. The prices here are for Peas at our counter or by express or freight, at customer's expense. If these are wanted in quantities over 1 pound by Parcel Post, remit extra for postage at zone rates. See inside front cover.

Extra Early Dwarf Varieties

SUTTON'S EXCELSIOR. The best of the dwarf varieties. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger. In quality, equal to any of the dwarf varieties, all of which compare favorably with the larger and later sorts. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

NOTT'S EXCELSIOR. This is one of the standard high-grade Early Peas that have established themselves with gardeners so firmly that many will take no other variety for its season. Its quality is fine, and for a wrinkled Pea it is hardy and thoroughly reliable. It does not require staking and the pods ripen evenly, making it extremely valuable for home and market use. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

EXTRA EARLY BLUE BANTAM. The best first early dwarf wrinkled pea. It is unequalled for combination of extreme earliness, superb quality and unusual productiveness. The dwarf, vigorous vines average fifteen inches in height and carry really enormous



Thomas Laxton



ROSS BROS. CO.

Seeds and Implements



PEAS—Continued

GRADUS. A remarkable variety, combining earliness with peas of largest size and best quality. Mature soon after Nott's Excelsior. Vine resembles the Telephone but is only 3 to 3½ feet high on rich land; productive. Pods 4 inches long, straight, slightly curved at end, light green, well filled. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

MARKET SURPRISE. This is a smooth seeded sort and, like all of this class, may be planted very early. It is the earliest maturing variety to date, vines growing to a height of about 30 inches, bearing abundantly pods 3 to 3½ inches long, well filled with peas of the finest quality. Every garden, large or small, should give this new sort a trial. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

PREMIUM GEM. One of the most popular peas of this class in America. Hardy, prolific, and uniform in habit of growth and productiveness, bearing pods single on both sides of the stalk, beginning near the ground. Peas of fine flavor and about a week later than Nott's Excelsior. Pods 2½ inches long, nearly straight, round, well filled to the end. Seed green, wrinkled. Height of the vine 18 inches. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

THOMAS LAXTON. Vine of about the same height as the Gradus, of similar habits but much darker, harder and more productive. More attractive and better filled with peas as large and equal in quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

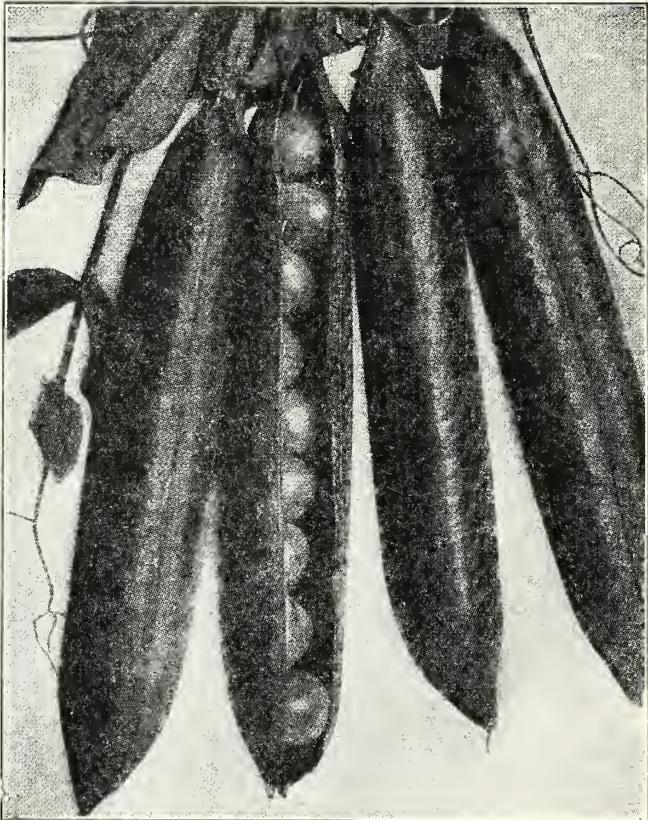
ROSS' WORLD'S RECORD. A large, early wrinkled pea with pods 3½ to 4 inches long. The pods are well filled with peas of excellent quality. The vines are vigorous, growing about 36 to 40 inches high. Peas are ready to pick 4 or 5 days before Gradus. A variety which should be in every garden. **Pkt. 20 cts., 1 lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or over 35 cts. per lb.**

SECOND-EARLY MEDIUM AND LATE VARIETIES

ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than the "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific; of the best quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

CHAMPION OF ENGLAND. Vine 4½ to 5 feet high, productive. Pods 2¾ to 3 inches long, broad, well filled. Peas of medium size, much shriveled, of unsurpassed quality. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

DWARF CHAMPION. A variety claimed to be equal in quality to Champion of England. Both peas and pods are considerably larger and vine is only about 2 feet high. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**



Improved Telephone

EVERBEARING. An excellent variety of branching habit. Pods about 3 inches long and well filled. Sweet and of fine flavor. Height 3 feet. **Pkt. 20 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 10 lbs. or over 25 cts. per lb.**

TELEPHONE. Extensively grown. Vine 3½ to 4 feet. On good soil productive. Pods large. Peas above medium size, of best quality. **Pkt. 20 cts., 1 lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over 30 cts. per lb.**

PEPPERS

An ounce will produce from 1,500 to 2,000 plants

Sow in hot bed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in a row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.

BELL, or BULL NOSE. Large bell-shaped, thick-fleshed and less pungent than some other sorts. Good for filling. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25.**

CHINESE GIANT. Mammoth fruits measuring 12 to 15 inches in circumference, also early and prolific. The flesh is thick, tender, mild and sweet. Unexcelled for use as salads. **Pkt. 10 cts., ½ oz. 35 cts., oz. 60 cts.**

GIANT CRIMSON. The first to mature of the extra-large varieties and surpassed by none in evenness of size and shape. The fruit averages heavier than any other large peppers, as the flesh is unusually thick. When matured, the color is deep crimson, flavor very mild. The plant grows upright, is vigorous, larger than the Chinese Giant, and more productive. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

HARRIS EARLY GIANT. The earliest known pepper and for the far North the most desirable. Plant very dwarf and compact in growth and extremely productive. Fruit 3-lobed, 3½ inches in length by 2½ inches diameter, very mild and sweet. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25.**

LONG RED CAYENNE. Fruit very slim, pointed, about 4 inches long, and when ripe, bright red. Extremely pungent. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

NEAPOLITAN. A great market variety on account of its earliness and productiveness. Grows about 3½ inches long and is remarkably sweet. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

RED CHILI. Used for making pepper-sauce. Pods bright red, slender, about 2 inches long and very pungent. Requires a long season; seed should be sown early in hotbed. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

RUBY GIANT. A hybrid of Ruby King and Chinese Giant. It combines the large size of Chinese Giant and the productiveness, shape and color of the Ruby King. The flesh is thick, mild and sweet. Fruit often 5 inches long. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25.**

RUBY KING. Large. Four to six inches long, symmetrical, very mild and sweet. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

SQUASH, or TOMATO SHAPED. Fruit flat or tomato shaped and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

SWEET MOUNTAIN. Fruit very large, often 8 inches long by 2 inches in diameter. Flesh thick, sweet and mild. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

EVERYBODY KNOWS Ross' Seed Grows

SELECTED SEED POTATOES

Eight to ten bushels will plant one acre.
One peck will plant 75 hills.

The seed stock which we offer is grown for us by the most reliable growers in Aroostook County, Maine.

The stock is all carefully selected, free from rot and scab, and carefully packed in burlap bags holding 100 lbs., and the price we quote includes sacks.

Potatoes will be shipped as soon in the Spring as the weather will permit of their being sent in ordinary cars without danger of freezing. Full carloads can be shipped at any time in heater cars.

There is no one thing that we will sell in the line of seeds that is more important to change each season than seed potatoes. As it is, impossible to grow just the right quantity of each variety to supply the demand, we urgently request our customers to give us a first and possibly a second choice in case we should be out of varieties ordered, for after the season is well advanced it often happens we are sold out of a great many varieties.

Irish Cobbler

An early, white-skinned variety, very short, thick, inclining to round. This is yearly increasing in popularity for the early market. But few varieties, if any, combine earliness, size and production in as great a degree. This crop is ready for market about ten days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra early varieties nor greatly surpassed in yield by any of the main crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. No other of the early varieties is as dependable as this and is so certain to produce a crop.

Early Fairmount

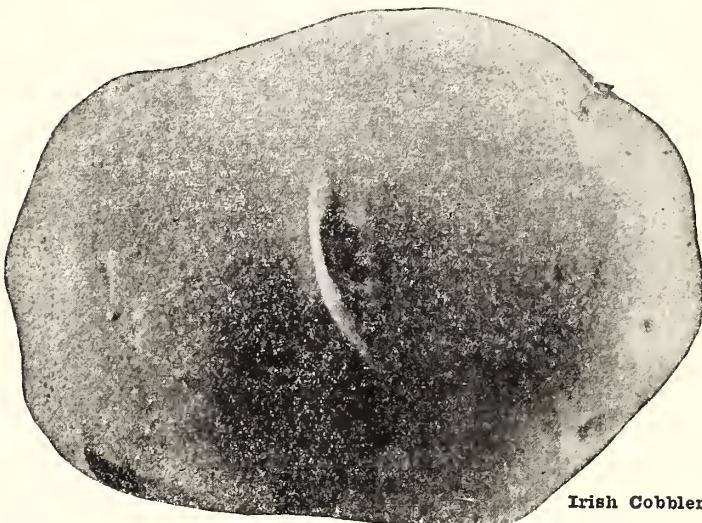
An Improved Irish Cobbler

It is an early variety which in shape, color, size and time of ripening is very much like the Irish Cobbler; but the Early Fairmount has outyielded the Cobbler in every case where we have made an inquiry. One market gardener has said of the Early Fairmount: "The extra yield of potatoes would pay for my seed and fertilizer." This is certainly in favor of the new potato.

It is generally known that many of the large Cobbler potatoes have a cavity in the center, but in the Fairmount we have failed to find one with this defect; also the eyes are more shallow, which means less waste in cooking.

Culture

A good, sandy loam produces the best potatoes, but they can be grown on all kinds of soil. New or pasture land, with the turf freshly turned, produces the finest crop. Make furrows of good depth, 3 feet apart. Scatter a liberal dressing of phosphate or decayed stable manure along the drill, and set the seed about 10 inches apart in the rows. Cover with about 2 inches of soil, and begin to cultivate when the plants are well up. At each successive hoeing, bring additional soil about the plants. A change of seed is the best antidote for disease.



Irish Cobbler

Potato Prices

Price of potatoes listed on this page. Selected seed, 15 lbs. 45 cts., 30 lbs. 75 cts., 60 lbs. \$1.35, 100 lbs. \$2.50.

Price of all Potatoes Subject to Change Without Notice.

EARLY SIX WEEKS. An extra early variety, of good quality, cooking well as soon as it attains marketable size. In size, medium to large; color, light red or rose; form, round oblong, resembling the Ohio and having the speck peculiar to the Ohio type. Keeps well. A good yelder.

EARLY ROSE. (Early.) Its tubers are roundish, oblong and somewhat flat, while the skin is flesh-colored or pink. Not as prolific as some of the later sorts, but is extremely early.

GREEN MOUNTAIN. A white skinned variety of flat, oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of all varieties for general crop.

GOLD COIN. Productive and of unsurpassed quality. Very uniform in size never over-large, but few small tubers. Form oblong, rather broad and thick. Skin almost white, with just enough of a light golden tinge to make it distinct from the white-skinned varieties, and having that rich russet appearance generally considered an indication of good quality. Vine of strong, vigorous growth, not easily affected with blight.

CARMEN No. 3. A handsome, round, white variety of the best quality; large, almost no small tubers. Claimed by the introducer to outyield any potato of its class. Vines large and vigorous, not troubled by bugs or blight as much as those of other sorts.



Green Mountain

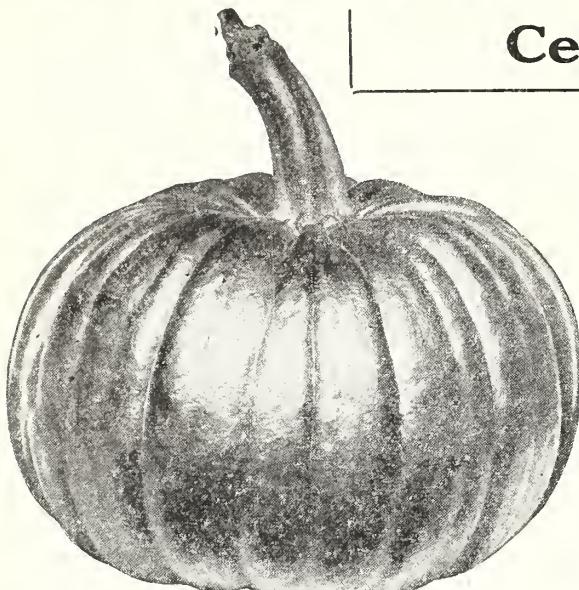
Seed Potatoes Continued on Next Page

ROSS BROS. CO.

Seeds and Implements



Certified Seed Potatoes



Small Sugar Pumpkin

PUMPKIN

An ounce will plant 50 hills

SMALL SUGAR. The popular variety in New England for pies; fine-grained and sweet. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

LARGE CHEESE, or KENTUCKY FIELD. Shape flat, skin of rich cream color when ripe, flesh tender and of fine quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25.**

MAMMOTH TOURS. One of the largest in cultivation, good for feeding stock. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25.**

CONNECTICUT FIELD. The standard variety for feeding stock. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

JUMBO, or KING OF THE MAMMOTHS. The largest of all Pumpkins. Skin, orange-salmon; flesh, bright yellow, very thick, fine grained and of excellent quality for pies. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25.**

QUAKER PIE. Fruits broad, pear-shaped to slightly oval; skin rich cream-buff; flesh fine grained and of rich flavor. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

RADISH

An ounce will sow 150 feet of drill

Radishes are now grown the entire year, and may be sown when desired in hotbeds with moderate heat, either in rows 6 inches apart or broadcast. Soil should be light and rich, preferably new soil and fine rotted turf and commercial fertilizer. Seed may be sown outside very early, as soon as ground can be worked, in rows, 6 to 12 inches apart, as desired, and one-half inch deep. For our own use, we prefer that plants shall be thick, commencing to use roots when twice the size of a large pea and only thinning when plants are so crowded as to prevent the formation of roots of a size suitable for use. Grown in this way and used from the size noted to that of a small marble, roots are tender and crisp and never have the thick skin so generally a feature of those found in our markets.

EARLY SCARLET GLOBE. A very early globe-shaped radish suitable for forcing or open ground. The radishes are of handsome shape, attractive bright red, and are crisp, solid and of the **finest quality.** They grow so rapidly that under favorable circumstances they may be pulled **20 days** from sowing the seed. This is the most popular variety for forcing. Our seed is of the very finest strain grown from transplanted roots and will be found unsurpassed. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

CRIMSON GIANT. An early but large, round or slightly globular radish adapted for either forcing or outdoor cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass, nor outdoors, even when it is twice as large and older. Beautiful crimson-carmine, attractive and of fine quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25.**

EARLY SCARLET TURNIP. A small round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

EARLY SCARLET TURNIP, WHITE-TIPPED. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. \$1.00.**

EARLY LONG SCARLET, SHORT-TOP. Once the most popular radish, but has been largely displaced by the round varieties; 6 to 8 inches long, ready to pull in twenty-five to thirty days from sowing. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.25.**

More attention each year is given to the production of high yielding strains of CERTIFIED SEED POTATOES and it is gratifying that we are in a position to offer seed from some of the best fields grown in Aroostook County, Maine, during the past season. This is stock grown from large producing fields of Certified plantings and have been certified under the State of Maine laws and each full 100-pound sack bears the certification tag of the Department of Agriculture. We offer only the three varieties listed below Certified.

MAINE CERTIFIED GREEN MOUNTAIN. 15 lbs. 50 cts., 30 lbs. 95 cts., 60 lbs. \$1.75, 100 lbs. \$2.75.

MAINE CERTIFIED IRISH COBBLER. 15 lbs. 50 cts., 30 lbs. 95 cts., 60 lbs. \$1.75, 100 lbs. \$2.75.

MAINE CERTIFIED SPAULDING ROSE. 15 lbs. 50 cts., 30 lbs. 95 cts., 60 lbs. \$1.75, 100 lbs. \$2.75.

Hybridized Potato Seed

From the Seed Balls—Headquarter Stock

It is from these that ALL valuable new varieties of Potatoes are produced.

Packet with full directions for growing, 15 cts., 4 for 50 cts., 10 for \$1.00.



Radish, Scarlet Globe

EVERYBODY KNOWS Ross' Seed Grows

RADISH



French Breakfast Radish

EARLY WHITE GIANT STUTTGART. Root large, clear white, often 4 inches in diameter, does not become pithy until very late. Those not used for summer radish can be stored for winter use. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 40 cts., 1 lb. \$1.40.**

FRENCH BREAKFAST. A stump-rooted radish about 3 inches long. Bright scarlet, tipped white. An old favorite for home garden. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.**

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.**

ROUND BLACK SPANISH. White flesh with black skin. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.**

WHITE ICICLE. The earliest pure white, long, summer radish of most excellent quality. Roots when matured are 5 to 6 inches long by about 1/2 inch in diameter. One of the best outdoor summer radishes. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.**

WHITE STRASBURG. A fine summer variety, growing about 4 inches long and 2 inches thick. Pure white. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.**

Rhubarb or Pie Plant

An ounce should produce 100 plants

The roots can be raised from seed sown in spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

VICTORIA. The most popular variety, fine for family use and market. Comes quite true from seed. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 90 cts.**

RHUBARB ROOTS. Sent by express at buyer's expense. **2 for 25 cts.**

Salsify or Vegetable Oyster An ounce will sow 50 feet of drill

Sow early and deeper than parsnip, otherwise culture is the same and, like that, roots, if desired, may be left in the ground through the winter, but should be dug very early in the spring, as they deteriorate after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of stronger growth, and less liable to grow spongy than the old Long White. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 90 cts.**

SPINACH An ounce will sow 100 feet of drill, 14 to 16 pounds to the acre

CULTURE—For spring and summer use sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich.

EARLY GIANT THICK-LEAVED. Leaves very large and thick, deep green, attaining a size suitable for use early and plant grows to a large size before running to seed. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**

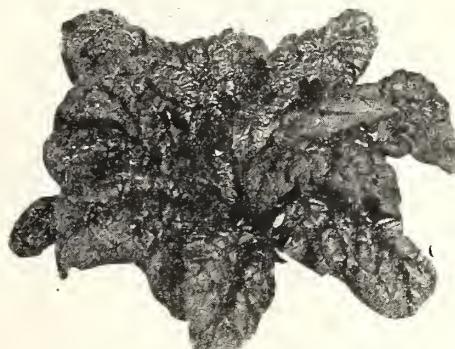
PRINCESS JULIANA. (New.) The best second-early variety. Plants grow close to the ground and have dark green, crumpled leaves which retain their crispness for a long time after being cut. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**

KING OF DENMARK. Also known as "Antvorskov." This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts, they remain in good condition for a week to two weeks after other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type, but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**

LONG SEASON. A new variety claimed to surpass all other in its ability to withstand hot weather without running to seed. Leaves very dark green, much crumpled, thick, tender and succulent. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**

LONG STANDING. A variety which matures early and remains in condition for use longer than most others. Leaves smooth, rich, dark green. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**

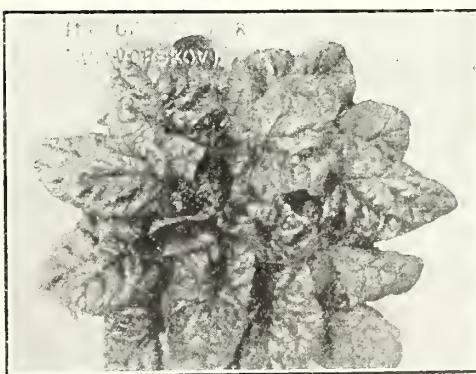
SAVOY-LEAVED, or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed and crimped. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.**



Early Giant Thick-Leaved Spinach

NEW ZEALAND. Thrives during the hottest summer weather in any soil, rich or poor, a single plant covering a space about 4 feet square. The tender tips may be cut every few days; after cutting, the plant puts out new growth and continues till frost. Soak for 24 hours and plant 4 seeds in hills 2 feet apart each way. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.25.**

If larger quantities, other than listed, are wanted, write for prices.



King of Denmark Spinach

Squash

An ounce will plant from 10 to 25 hills. Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

Blue Hubbard

The Symmes Blue Hubbard is an entirely distinct variety resembling the Warted Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities cannot be surpassed. The Blue Hubbard is an exceptionally heavy crepper, producing an extraordinary number of squashes, which, though not of the largest, are of even size, thus making it very easy to handle and market. It has excellent qualities, keeping, with proper storage, much longer than the Delicious. **Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$4.00.**

Chicago or Warted Hubbard

A selection of the Hubbard, with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain unsurpassed by any we have ever seen. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

Green Hubbard

A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**



Blue Hubbard

BOSTON MARROW. This grows larger than either the Prolific or Orange Marrow, but is not of so deep color. Skin thin, yellow, with pinkish tint. Desirable for pies; not so dry as the Hubbard. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.40.**

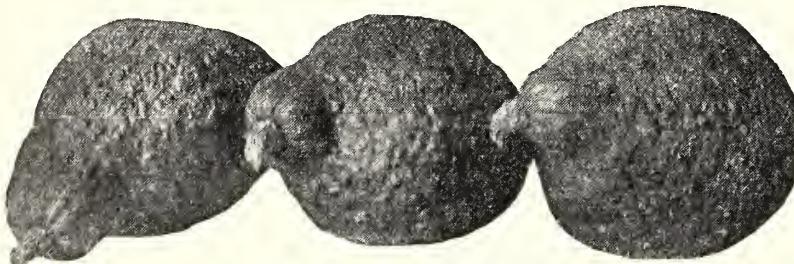
DELICIOUS. A fall and winter variety. Color, usually dark green, but sometimes lighter in color and mottled; shell, moderately hard but very thin; flesh, thick, very fine grained, sweet and of finest flavor. Even when not quite mature is in condition for use and of good flavor. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

ESSEX HYBRID. A cross of the Hubbard and Old Turban, partaking somewhat of the features of both. Like the Hubbard, it is hard-shelled. In color it is like the Turban, but greatly improved in form. Flesh thick, solid and of good quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.40.**

GOLDEN HUBBARD. A distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange-red instead of the dark olive-green of the old Hubbard, while the flesh, which is thick, is a little deeper colored, of fully as good quality, fine grained and dry. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

EARLY GIANT SUMMER. Early, mostly straight necked and much larger than the Summer Crookneck. A fine quality growing from 14 to 16 inches long. Extensively used by market gardeners and exceptionally good for home gardeners. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 70 cts., lb. \$2.50.**



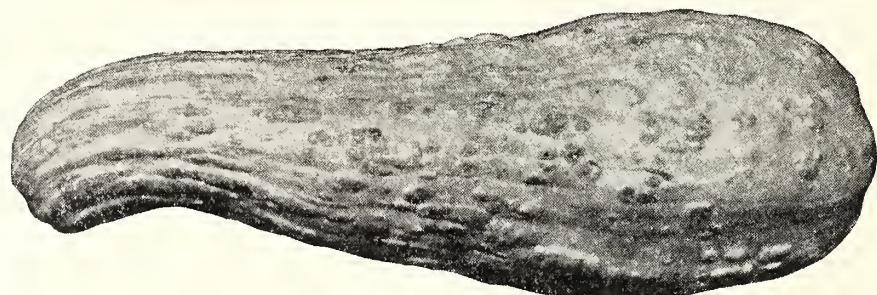
Improved Green Hubbard

MAMMOTH SUMMER CROOKNECK. Vines larger and of more vigorous growth than the Summer Crookneck and fruit is twice as large and deeper colored. Its large size and attractive appearance have made it popular with market gardeners. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

ITALIAN VEGETABLE MARROW. Vines of bush habit, producing large, much elongated fruits. Dark green at first, but becoming marbled with yellow as they mature. The young fruits, when fried in oil, constitute a vegetable delicacy very popular. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

ORANGE MARROW. An early variety, much like the Prolific Marrow in color and pitting, but is more nearly round, later much thicker meated and of better quality. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.40.**

THE WARREN. Has a shell generally harder and thicker than the Essex Hybrid and the color is a deeper and richer orange, while the quality is decidedly better. The Warren is now grown very extensively by market-gardeners. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**



Early Giant Summer

EVERYBODY KNOWS Ross' Seed Grows

TOMATO

An ounce will produce about 2,000 plants

Tomatoes do best on light, warm, not over-rich soil. Sow in hotbed or window-box (where 60 degrees Fahr. is the minimum night temperature) in March, in rows 3 inches apart and $\frac{1}{2}$ inch deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant 4 inches apart each way in hotbeds, coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills, into each of which fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established.

ACME. Vine hardy and productive. Fruit in clusters of four or five round, smooth and of good size; flesh solid and of excellent flavor. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

AVON EARLY. This new extra early scarlet fruited variety is the result of several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit for a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. **Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.**

BEAUTY. Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, and excellent flavor; color, purplish pink. The best purple sort. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

BONNY BEST. This tomato has been tested and found eight to ten days earlier than the Chalk's Early Jewel and ripens about with the Earliana. Very strong grower and the fruit is uniform and smooth; ripens evenly all over, excellent shipper. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

COMET. Fruit medium size, scarlet. The heaviest yielder of the green-house sorts. **Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.**

DWARF CHAMPION. Sometimes sold as the "Tree Tomato." A second early, purplish pink variety, especially desirable where garden space is limited. Vine about two feet high, vigorous, upright and compact. Fruits, medium sized, exceptionally smooth and of very good quality. Our stock is a very superior strain with more even, smoother fruit than the original. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

DWARF STONE. Vine dwarf but vigorous and productive. While maturing with the later sorts, the bright red fruits are of good color, exceedingly smooth and very solid. We consider this the best of the large fruited, dwarf tomatoes. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

JUNE PINK. An extra early, purplish pink tomato similar to the popular scarlet fruited Earliana in growth of vine, shape and size of fruits and time of maturing. This is a variety of exceptional value to market gardeners who want an early purplish pink tomato, either for home market or to ship; also desirable for planting under glass. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

JOHN BAER. An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early and are most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the earliest to ripen and it continues to furnish marketable fruits much longer than the other very early varieties. It is a very valuable sort for market gardeners' use. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

PONDEROSA. This is one of the largest smooth tomatoes. Color, deep purple. The fruit is exceptionally solid, having but few seeds and is quite free from acid. It is also an ideal variety for shipping. **Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.**

SPARK'S EARLIANA. A deep red tomato. The vines are compact in growth, with short, close-jointed branches. This is an extra early tomato and the best so far produced. Very productive. Fruit fair size and firm. In test it ripened fruit in 108 days from date of sowing seed. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

RED HEAD. An excellent red variety; medium size, very prolific, heavy fruit, ripens with John Baer. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

STONE. Vines vigorous and productive; fruit, large, smooth, deep red in color, and heavy. The best all around variety, where earliness is not important. **Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.**

YELLOW PLUM. Small, plum-shaped fruit of rich flavor. Desirable for preserving and pickling. **Pkt. 10 cts.**

YELLOW HUSK, or STRAWBERRY. Fruit about the size of a small cherry, borne in husks; of very rich flavor; used only for preserves. plant also distinct. **Pkt. 10 cts.**

Have you tried our EUREKA ENSILAGE CORN?
Sold only in our trade marked bags.

Dwarf Stone



John Baer





ROSS BROS. CO.

Seeds and Implements



Turnip

An ounce will sow 200 feet of drill. If sown in drills, one pound is required for an acre; if sown broadcast, less seed is sufficient if sown evenly.

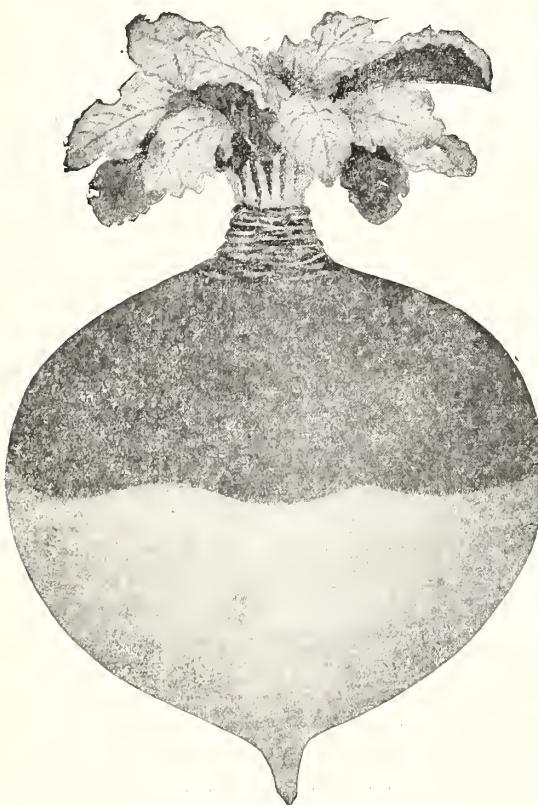
CULTURE—For early, sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession, sow every two weeks until June. For fall and winter, sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For Rutabagas, sow seed in seed-bed in spring and transplant to good warm soil, in rows at least 2 feet apart and 8 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up the roots just before winter, top and store in cool cellar, or pit outdoors.

EARLY WHITE MILAN. Roots flat, smooth and symmetrical, pure white. Top very small, upright, and compact, permitting close planting. The earliest and much the best of any extra early white variety. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

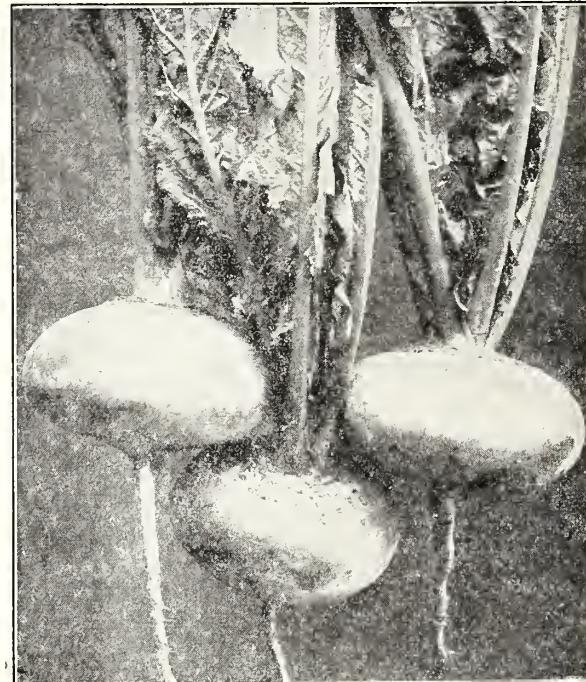
EARLY PURPLE MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts.**

EARLY PURPLE-TOP FLAT. A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**

EARLY PURPLE-TOP WHITE GLOBE. One of the handsomest varieties, the upper portions of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**



Long Island Improved



Early Purple Top Flat

WHITE EGG. More extensively grown than any other variety. White, egg-shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**

GOLDEN BALL, or ORANGE JELLY. Of globular form, medium size, skin rich orange; flesh, pale amber, very fine-grained, mild and sweet. One of the most attractive, of the best quality and keeps well. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**

YELLOW GLOBE. The standard yellow variety. The form is round, slightly flattened. Largely grown for stock, and to some extent for market. An excellent keeper. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**

COW HORN, or LONG WHITE. Root long, slightly crooked and grows nearly half above ground. Clear white, except a little green at top. Though more largely used for feeding stock, it is a fine table variety, being tender and of mild flavor. Of very rapid growth. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 25 cts., lb. 75 cts.**

Swedish, Russian or Rutabaga

SWEET RUSSIAN. An old variety, yet largely grown, mainly for table use. Sweet and mild. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. 90 cts.**

WHITE FRENCH, or ROCK. Also an old and popular sort. Roots a little longer than Sweet Russian, but does not otherwise differ. Valuable for table or feeding. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. 90 cts.**

BREADSTONE. An early variety, white, faintly colored at top; medium size, tender, mild and sweet. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. 90 cts.**

SHAMROCK. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. 90 cts.**

LONG ISLAND IMPROVED. This is undoubtedly the finest variety of Purple-Top Rutabaga. It grows much larger than other American varieties, is, therefore, desirable for stock, but equally desirable for the table and market, as it is tender and sweet and of very attractive appearance. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. 90 cts.**

Tobacco

CONNECTICUT SEED LEAF. A hardy cigar variety, well adapted to growing in the Middle and Northern States. **Pkt. 10 cts., oz. 40 cts.**

HAVANA. Leaf very thin, fine texture. Much used for cigar wrappers. **Pkt. 10 cts., oz. 40 cts.**



EVERYBODY KNOWS Ross' Seed Grows

Reference Table for Sowing, Etc.

Name	Date of Sowing		Days to Come Up	Ready to use from Seed Sown	Distance		Depth to Cover	Quantity of Seed
	Under Glass	Open Ground			Apart in Rows	Rows Apart		
Asparagus Roots		April		2-3 years	1 foot	4 feet	4 inches	100 for 100 feet of row
Beans, Dwarf		May-Aug.	6-10	45- 80 days	2 inches	3 feet	2 inches	1 lb. for 100 feet of row
Beans, Pole		May-June	6-10	60-100 days	3 feet	4 feet	2 inches	1 lb. for 100 hills
Beets	March	April-Aug.	7-10	60- 80 days	4 inches	1 foot	1 inch	1 oz. for 100 feet of row
Cabbage, Early	Feb.		6-10	80-125 days	18 inches	2 feet	1/4 inch	1/2 oz. for 200 feet of row
Cabbage, Late		May-June	6-10	110-180 days	2 feet	3 feet	1/4 inch	1/2 oz. for 200 feet of row
Carrots, Early	March	April	10-15	60- 85 days	4 inches	14 inches	1/4 inch	1 oz. for 150 feet of row
Carrots, Late		May-June	10-15	100-120 days	4 inches	14 inches	1/4 inch	1 oz. for 150 feet of row
Cauliflower, Early	Feb.	April	6-10	100-115 days	1 1/2 feet	3 feet	1/4 inch	1/4 oz. for 100 feet of row
Cauliflower, Late		May-June	6-10	100-125 days	1 1/2 feet	3 feet	1/4 inch	1/4 oz for 100 feet of row
Celery Seed	March	April	12-20	125-150 days	1 inch	3 inches	1/4 inch	Pkt. for 100 feet of row
Celery Plants		May-June			6 inches	6 inches		
Corn, Sweet		May-July	8-10	55-100 days	8 inches	3 feet	1 inch	1 pkt. for 100 hills
Cucumber		May-July	6- 8	60- 85 days	4 feet	4 feet	1/2 inch	1 oz. for 50 hills
Egg Plants	March		10-14	125-160 days	2 inches	3 inches	1/4 inch	1 pkt. for 100 feet of row
Endive	Feb.	April-Aug.	6-10	75-100 days	1 foot	1 foot	1/4 inch	1 oz. for 300 feet of row
Kohl Rabi		April-Aug.	6- 8	65- 85 days	8 inches	1 foot	1/4 inch	1 pkt. for 100 feet of row
Lettuce	Feb.	April-Aug.	6-10	65-100 days	8 inches	1 foot	1/4 inch	1 pkt. for 100 feet of row
Melon, Musk		May-June	6-10	90-120 days	5 feet	5 feet	1 inch	1 oz. for 50 hills
Melon, Water		May-June	8-12	100-125 days	6 feet	6 feet	2 inches	1 oz. for 25 hills
Okra		May	6-10	120-150 days	2 feet	3 feet	1 inch	1 oz. for 50 feet of row
Onion Seed	Feb.	April-May	6-14	80-100 days	3 inches	14 inches	1/2 inch	1 oz. for 200 feet of row
Onion Sets		April-May			2 inches	14 inches	1 inch	4 lbs. for 100 feet of row
Parsnips		April	12-18	120-150 days	4 inches	18 inches	1/2 inch	1 oz. for 200 feet of row
Parsley		April-May	18-24	90-100 days	4 inches	1 foot	1/2 inch	1 oz. for 200 feet of row
Peas, Wrinkled		April-July	5-10	50- 75 days	2 inches	3 feet	2 inches	1 lb. for 100 feet of row
Peppers	March		10-14	135-150 days	2 feet	2 feet	1/2 inch	1/2 oz. for 100 feet of row
Potatoes	March	April-June	10-25	75-100 days	1 foot	3 feet	4 inches	15 lbs. for 100 feet of row
Pumpkins		May-June	6-10	100-125 days	8 feet	8 feet	2 inches	1 oz. for 50 hills
Radish	March	April-Sept.	4- 6	25- 50 days	1 inch	1 foot	1/2 inch	1 oz. for 150 feet of row
Salsify		April-May	8-12	125-160 days	3 inches	1 foot	1 inch	1 oz. for 60 feet of row
Spinach		April-Sept.	6-12	60- 75 days	3 inches	1 foot	1 inch	1 oz. for 100 feet of row
Squash, Summer		May-June	6-10	60-120 days	8 feet	8 feet	2 inches	1 oz. for 25 hills
Squash, Winter		May-June	6-10	60-120 days	8 feet	8 feet	2 inches	1 oz. for 10 hills
Tomato Seeds	Feb.		6-12	125-150 days	2 inches	2 inches	1/2 inch	1 pkt. for 100 plants
Tomato Plants		May-June			4 feet	4 feet		
Turnip		April-Sept.	4- 8	50- 75 days	3-6 inches	1-1 1/2 feet	1/2 inch	1 oz. for 200 feet of row

The following vegetables can be produced on a space of 20x45 feet.

25 dozen green onions, 1 bushel of dry onions, 1 bushel of green peas, 12 dozen of beets, 25 dozen of radishes, 150 heads of celery, 2 bushels of string beans, 20 heads of cauliflower, 20 heads of cabbage, 2 bushels of spinach, 2 bushels of carrots, 2 bushels of parsnips, 20 egg plants, 50 heads of lettuce, 10 heads of endive, 10 kohl rabi, 8 dozen sweet corn, 50 musk melons, 200 pickling cucumbers, 10 large cucumbers, 4 bushels of tomatoes, 2 bushels of potatoes, 3 bushels of turnips.

After the early sorts are taken off you can follow with varieties that can be planted late and produce two crops on the same grounds.



ROSS BROS. CO.

Seeds and Implements



Selected List of Flower Seeds

Though some seeds need special treatment, the following general directions for outdoor culture apply to all. Make the soil fine and even by digging and raking. Though seeds should not be sown nor ground worked when it is wet and soggy, moisture is essential to the successful germination of seeds; therefore, sow only on freshly worked soil. Sow in rows that the young plants can be easily seen, and each lot of seeds at a uniform depth, which should generally be four to six times the diameter of the seed. Make the soil over the seeds firm. This is very important, as it prevents, to a great degree, the escape of moisture. If weather following is hot and dry, it may be necessary to water. Water thoroughly; and, once commenced, regularly or not at all.

Some plants do not bear transplanting well, so seeds should be sown where plants are to remain. Seeds of most plants may, however, be sown in beds and the young plants transplanted, if desired. Transplanting is, of course, more easily done in rainy weather, but, if necessary, can be safely done in hot, dry weather by giving the soil a good soaking and then shading the plants for a few days. Give frequent but shallow cultivation. Shallow cultivation conserves moisture by converting the top soil into a fine mulch.

HOW TO ORDER

When ordering, always give catalogue variety number; and, while it is not necessary to give name, it often serves to indicate more fully what the customer desires, as in the event of the number and name differing, we always send the variety indicated by the name as probably the one desired. All flower seeds mailed free on receipt of price quoted.

Plants are usually divided into three classes—Annuals, Biennials and Perennials. Annuals are plants which normally live but a single season. Biennials are plants living two years, particularly those which do not bear flowers and fruit until the second season. Perennials tend to live from year to year. Half-hardy Biennials and Perennials require winter protection of plants. Sow part of your seed early and make frequent sowings, so that when the soil becomes warm and mellow you will be ready to set out strong, well-developed plants, neither too young nor too old.

ASTERS One of the very best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in open ground in May bloom freely in September and October. For July and August flowers, sow in March or April in cold-frame, spent hotbed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manure too fresh or used in too large quantities sometimes induces disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil.

NEW AND IMPROVED STRAINS

California Giant Double

We take pleasure in recommending this type as the best Aster on the market today. Characterized by the well known Crego or Ostrich Feather type of flower, combined with the Beauty Aster's long, non-lateral branching stems and sturdy habit of growth, the California Giant Double type of Aster stands at the head of the list, not only for florists' use, but also for private gardens where quality is appreciated.

8 White, new, fine. 9 Peach Blossom. 10 Light Blue. 11 Light Purple. 12 Deep Rose. 13 Dark Purple. Pkt. 10 cts., 1/16 oz. 30 cts., 1/6 oz. 50 cts., 1/4 oz. 90 cts. 14 Mixture of above. Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts., 1/2 oz. \$1.40.

California Giant Single

We are offering this wonderful Aster for the first time this year. It was developed out of the California Giant Double type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florists' use. In the garden Aster, California Giant Single adds a charming note of simplicity among the fuller types of Asters. We believe this new, single type of Aster is destined to become very popular.

15 Finest Mixed. Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts., 1/2 oz. \$1.40.

Late Beauty Type

Plants about 2 to 3 feet high, of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large, borne on long and stout stems, from 18 to 24 inches. This applies to all of the Beauty Class, making them most desirable for cut flowers.

16 Azure Blue. 17 Crimson. 18 Lavender. 19 Purple. 20 Rose. 21 Flesh Pink. 22 White. 23 Finest Mixed. Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts.

Early Beauty Type

This type has all of the characteristics of the Late Beauty Type, and is valuable for locations where the season is too late to flower the late type before frost, and for early forcing.

We wish to emphasize, however, that this is not an Early Aster as compared with Queen of the Market, but earlier than the late Beauty Type. Planted at the same time this type flowers with the Crego and American Branching.

24 Azure Blue. 25 Crimson. 26 Lavender. 27 Purple. 28 Rose. 29 Flesh Pink. 30 White. 31 Finest Mixed. Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts., 1/2 oz. \$1.40.



California Giant Double

Do you receive our fall catalogue for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book send us your name and address and we will gladly put you on our mailing list for our next fall catalogue.



EVERYBODY KNOWS Ross' Seed Grows

ASTERS

Heart of France

32 The best pure-red Aster ever introduced. All others have sombre shades of blue or too much yellow in the color pigments. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft, warm, velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. **Pkt. 15 cts., 1/16 oz. 50 cts., 1/8 oz. 90 cts.**

The Rochester

The plants of Rochester Asters, like those of the Late Branching variety, are large and strong, with many long branches. Their flowers have, in common with others of the Comet type, petals that are very long and narrow and gracefully recurved, giving them a lightness and grace that make them the most artistic of all Asters. The immense size of these flowers—they are the largest Asters now in cultivation—their artistic beauty, delicacy of coloring and freedom of bloom, make the Rochester, in our estimation, the superior of any Aster of its class heretofore offered to the public. **33 Shell Pink. 34 Lavender. 35 White. Pkt. 15 cts., 1/16 oz. 50 cts., 1/8 oz. 90 cts.**

Pink Enchantress

36 This splendid Aster, introduced recently, is highly commended, and large quantities are grown annually by commercial florists. The immense flowers of a soft, delicate pink, are borne on strong upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Asters, the color is between that of Daybreak and the Semple's Pink Branching and, although very delicate, does not fade. In size the flowers are equal to those of the largest Branching Asters. **Pkt. 10 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.10.**

QUEEN OF THE MARKET. A very early blooming strain, which, though plant is only 1 1/4 feet high, bears from ten to fifteen well-formed, medium-sized flowers on long stems. Much used by florists. **37 White. 38 Rose. 39 Light Blue. 40 Pink. 41 Crimson. 42 Mixed Colors. Each, pkt. 10 cts., 1/8 oz. 40 cts.**

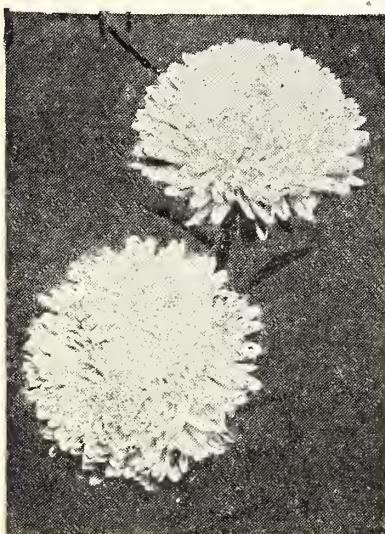
43 **DAYBREAK.** Flowers very large and full, and borne on long stems, color a beautiful shell-pink. The plant blooms early and profusely, and is of a strong and compact habit. Very popular; 2 feet. **Pkt. 10 cts., 1/8 oz. 50 cts.**

44 **PURITY.** Pure white. A desirable companion to Daybreak. Identical in form of flower and general habit. Blooms at the same time. **Pkt. 10 cts., 1/8 oz. 50 cts.**

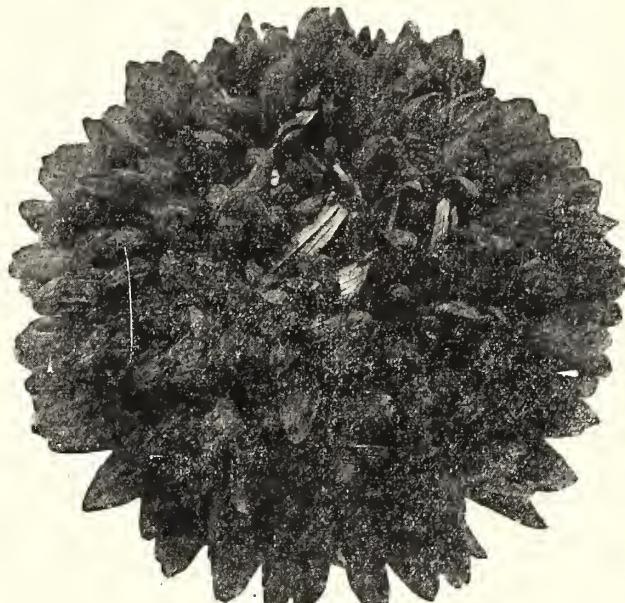
45 **LAVENDER DAYBREAK.** Soft, clear, lavender. Of same type as Purity and Daybreak. **Pkt. 10 cts., 1/8 oz. 50 cts.**

ROYAL. This is considered by many to be the very best general purpose Aster ever introduced. It is very much like our American Branching variety, having all its good qualities, but coming into bloom in July or early August and lasting in perfect condition for a long time. The habit of the plants and their free flowering make them very desirable for beds or borders and the long stemmed flowers are ideal for cutting. **46 Shell Pink. 47 White. 48 Lavender. 49 Mixed Colors. Pkt. 10 cts., 1/8 oz. 60 cts.**

VICTORIA. Considered for a long time one of the finest types and improved in recent years. The flowers are large, double, imbricated, having petals which curve outward like those of the show dahlias. Bears freely, beautiful long-stemmed flowers. **62 Mixed Colors. A superb mixture. Pkt. 10 cts., 1/8 oz. 40 cts.**



American Branching



Aster, Heart of France

GIANT BRANCHING COMET. Distinct and valuable; flowers resemble the Japanese chrysanthemum. Not only larger, but petals are longer and somewhat broader than the old Comet section. The plant is of vigorous, luxuriant growth and produces freely its long-stemmed, graceful flowers; 1 1/2 to 2 feet. **70 White. 71 Light Yellow. 73 Rose. 74 Lavender. 75 Crimson. 76 Shell Pink. Each, pkt. 10 cts., 1/8 oz. 40 cts.**

80 Mixed Colors. Many colors and shades. **Pkt. 10 cts., 1/8 oz. 40 cts.**

AMERICAN BRANCHING. A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. The plants are of extra large and strong growth, and bloom profusely; 2 1/2 feet. **108 White. 109 Pink. 110 Lavender. 111 Crimson. 112 Purple. Each, pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts.**

116 Mixed Colors. Pkt. 10 cts., 1/8 oz. 30 cts., 1/4 oz. 50 cts., oz. \$1.50.

SEMPLE'S BRANCHING. The plants of this Early Branching Aster attain the size and vigor of the famous American Branching, but bloom from 10 days to 2 weeks earlier. Extra large, perfectly formed flowers on long, stiff stems make them especially desirable for cutting, for exhibitions or for sale. **118 Lavender. 119 White. 120 Shell Pink. 121 Crimson. 122 Mixed. Each, Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts.**

124 WORCESTER MIXTURE. Our own mixture of the leading choice varieties includes every color and shade known among Asters, and will afford, especially if purchased in bulk, the greatest discovery of both colors and types. Purchaser of a single packet may be certain of securing a choice collection of desirable varieties. **Pkt. 10 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts., oz. \$2.75.**

125 GOOD MIXED. Our own mixture of many varieties; a wide range of colors. **Pkt. 10 cts., 1/8 oz. 30 cts., 1/4 oz. 50 cts., oz. \$1.75.**

ASTERMUM. A strain of Giant Comet Asters which, on account of their immense size and Chrysanthemum-like appearance, have appropriately been named Astermums. The plants grow about 2 feet high with long, strong stems and should come into bloom about the middle of August. **126 White. 127 Pink. 128 Lavender. Pkt. 15 cts.**



ROSS BROS. CO.

Seeds and Implements



Achillea

135 **PTARMICA**, The Pearl. One of the best white, hardy perennials, bearing profusely and continuously from June until frost, beautiful small, white, double flowers; useful for cutting. Easily grown from seed, desirable and often used in cemeteries. 2 feet. **Pkt. 15 cts.**

Acroclinium Everlasting Flower

A half-hardy annual, bearing attractive white and rose-colored single and double flowers chiefly used when dried for winter bouquets and wreaths; for this purpose flowers should be cut before fully expanded. 1 1/4 feet.

139 **Light Rose and Pure White, Mixed.** **Pkt. 10 cts.**

Adlumia

140 **CIRRHOSEA.** (Mountain Fringe; Allegheny Vine.) A beautiful hardy, climbing biennial, which usually self-sows. The feathery foliage resembles that of the maidenhair fern. Of rapid growth and produces, in great profusion, small, tube-shaped pink blossoms. Of the easiest culture. Desirable for covering trellises, stumps, etc. 10 to 15 feet. **Pkt. 10 cts.**

Adonis

Hardy, free-flowering plants, bearing showy, attractive flowers, and requiring little care. Seed should be sown in the open ground in the Autumn, or started early in March.

145 **VERNALIS.** (Ox-Eye.) Hardy perennial, blooming early in spring; when once established, may be easily increased by division. Flowers large, yellow. 18 inches. May and June. **Pkt. 10 cts.**

Ageratum

One of the best hardy annuals for summer bedding flowers. Easily grown from seed, which should be sown in the house, as it lengthens the time of blooming which continues until frost. Its season, however, compares favorably in length with other annuals when seed is sown in the open ground. Set the dwarf kind 10 inches apart, and they soon make a mass of color.

148 **MEXICANUM.** Blue, 1 1/2 feet. **Pkt. 10 cts., 1/4 oz. 30 cts.**

149 **MEXICANUM ALBUM.** White, 1 1/2 feet. **Pkt. 10 cts., 1/4 oz. 30 cts., oz. 80 cts.**

150 **IMPERIAL DWARF WHITE.** 8 inches. **Pkt. 10 cts., 1/4 oz. 30 cts., oz. 80 cts.**

151 **LITTLE DORRIT.** Azure-blue. 8 inches. **Pkt. 10 cts., 1/4 oz. 30 cts., oz. 80 cts.**

152 **IMPERIAL DWARF BLUE.** 8 inches. **Pkt. 10 cts., 1/4 oz. 30 cts., oz. 80 cts.**

153 **LITTLE BLUE STAR.** A miniature variety with beautiful mauve flowers. 5 inches. **Pkt. 10 cts., 1/8 oz. 60 cts.**

154 **BLUE PERFECTION.** Large heads of Amethyst-blue flowers; plant of very even growth, about 8 inches high. **Pkt. 10 cts., 1/8 oz. 25 cts.**

158 **MIXED COLOR.** All varieties mixed. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 55 cts.**

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

160 **COELI-ROSA.** (Rose of Heaven.) Rose, white center. Hardy annual. 1 1/2 feet. **Pkt. 10 cts.**

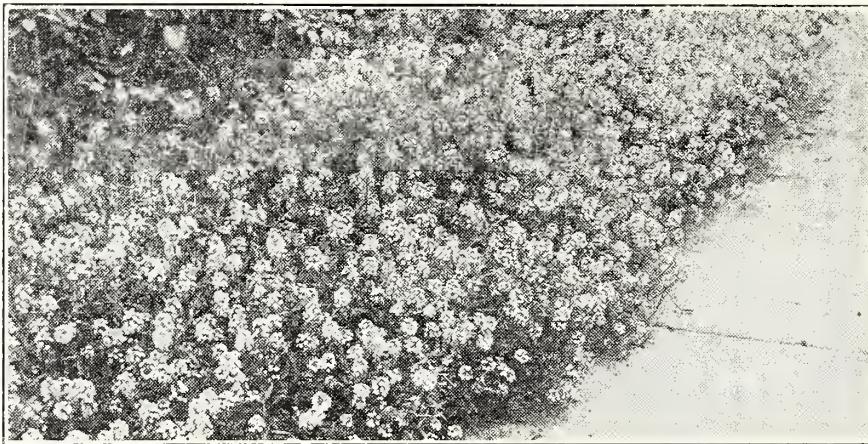
161 **CORONARIA.** (Rose Champion.) One of the earliest hardy perennials. 1 1/2 feet. Mixed colors. **Pkt. 10 cts.**

Alyssum

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging. No other white flower is so well adapted for a dense, low carpet, or as borders and ribbons in garden work. Extremely fragrant and frequently used for bouquets. Of easy culture. Sure to make a good display. Sow seed early in April.

166 **SWEET ALYSSUM.** Fragrant, white, 1 foot. **Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.**

167 **LITTLE GEM.** Of spreading habit, forming compact masses of bloom often a foot or more in diameter. White, fragrant, 6 inches. **Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.**



Sweet Alyssum, Fine for Edging

168 **CARPET OF SNOW.** Of very dwarf habit; white, fragrant, 4 inches. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**

170 **SAXATILE COMPACTUM.** Hardy perennial, bearing in great profusion in early spring golden yellow flowers. Desirable for rock work or for massing. 1 foot. **Pkt. 10 cts., 1/8 oz. 25 cts.**

171 **LITTLE DORRIT.** Little bushes fairly smothered with miniature white flowers. A gem for edging and beds 4 inches high. **Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.**

Amaranthus

Brilliantly colored foliage, and bearing peculiarly formed flowers. While in rich soil the plants and leaves are much larger, the colors are seldom as brilliant as when grown on rather poor soil. Of easiest culture. Give plenty of room to develop.

175 **CAUDATUS.** (Love-Lies-Bleeding.) Long, drooping flower, blood red. Half-hardy annual. 2 feet. **Pkt. 10 cts.**

178 **TRICOLOR SPLENDENS.** (Joseph's Coat.) Red, yellow and green foliage. One of the most beautiful of ornamental-leaved plants. Hardy annual. 2 feet. **Pkt. 10 cts.**

Anchusa

H. P. Flowers borne on spikes of a variety of blue shades. Useful in shrubbery and perennial gardens.

185 **CAPENSIS.** (Cape Forget-me-not.) Attractive annual with azure blue flowers. 1 1/2 feet. **Pkt. 10 cts.**

186 **DROPMORE VARIETY.** The bright blue Forget-Me-Not-like flowers are borne on graceful stems during the entire season and way late into the Fall. It is a great improvement over the existing varieties. Hardy perennial. 4 to 5 feet. **Pkt. 15 cts., 1/8 oz. 50 cts.**

Anemone

A very popular, hardy garden perennial. 188 **CORONARIA.** Single, mixed colors. The well-known Poppy flowered Anemone. 1 foot. **Pkt. 10 cts.**

189 **CORONARIA, ST. BRIGID.** An improved strain, bearing large and more brilliant flowers, and remaining in bloom longer. 1 foot. **Pkt. 10 cts.**

Anthemis

(Hardy Golden Marguerite)

A beautiful, hardy perennial of easy culture, bearing all summer, golden yellow daisy-like flowers, excellent for cutting. Plants bushy and should stand at least 2 feet apart. Height 2 feet.

190 **KELWAYI.** **Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 40 cts.**

Antirrhinum (Snapdragon)

One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.

191 **SILVER PINK.** A splendid commercial variety, long-stemmed, large flowered, delicate rosy pink, seemingly covered with a silver sheen. **Pkt. 25 cts., 1/16 oz. 30 cts.**

EVERYBODY KNOWS Ross' Seed Grows



Antirrhinum (Continued)

192 **VENUS.** A bright pink on white ground, set off by pure white throat.
Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.
Tall Varieties. 193 Rose. 194 Crimson. 195 White. 196 Yellow, 197
Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., oz. \$1.00.
198 **Grandiflora.** Giant varieties. Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.
199 **Dwarf Varieties.** Mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Aquilegia (Columbine)

Beautiful free flowering hardy perennials, blooming throughout the spring and early summer. Of easy cultivation and will thrive in partial shade; 1 to 3 feet.

200 **Single Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.
202 **Double Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.
204 **COERULEA HYBRIDA** pl. fl. Long spurred, flowering hybrids in fine colors. Pkt. 25 cts.

Arabis

209 **ALPINA.** (Rock Cress.) A pretty little hardy perennial, thriving in dry soil, and one of the earliest to bloom. Flowers white and deliciously fragrant; resembles Sweet Alyssum. The plant is covered with bloom and is excellent for rockwork and edgings; 6 inches. Pkt. 10 cts.

215 **SIPHO.** (Dutchman's Pipe.) A hardy perennial vine of rapid growth with large, glossy heart-shaped leaves, bearing curious yellowish-brown blossoms, somewhat resembling a pipe; 15 to 20 feet. Pkt. 15 cts.

Asparagus

216 **PLUMOUS NANUS.** Beautiful house plants; the feathery foliage is unrivaled for cutting. Pkt. 25 cts., 100 seeds \$1.00.

217—**SPRENGERI.** Excellent plants for table decorations. Pkt. 15 cts.

Asperula

220 **ODORATA.** (Sweet Woodruff.) A hardy perennial, blooming freely and continuously in rather moist soil and a partially shaded location. The flowers are white, but the plant is largely grown for its fragrant leaves and stems, which are used when dried for the same purpose as those of lavender; 1 foot. Pkt. 10 cts.

Balsam

This old favorite annual, sometimes known as Lady's Slipper, has been continually improved for several years, the flowers of some strains now closely rivaling in size and beauty those of the Camellia. Requires rich soil, full exposure to the sun and plenty of water to be grown to perfection, but is otherwise of easy culture. We offer seed of the most improved types which will, with favorable conditions, produce a large proportion of double flowers; 2 feet.

225 **IMPROVED CAMELLIA-FLOWERED, MIXED COLORS.** Double flowers of the finest type and a wide range of beautiful colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

227 **DOUBLE DARK RED.** Beautiful rich color. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.



Antirrhinum



Balsam

228 **DOUBLE PINK (PRINCE BISMARCK).** Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
230 **CHOICE MIXED.** Double flowers of many colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 75 cts.

235 **A** tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet. Pkt. 10 cts.

Balloon Vine

236 Showy, hardy annual of distinct character, its golden yellow flowers being freely produced; it grows well in partial shade, but should not be crowded. Pkt. 10 cts.

Beans, Ornamental Varieties

The Scarlet and White Runner Beans are deservedly popular as ornamental climbers, as but few plants grow so rapidly, and none is more easily grown. The former is largely grown alone for ornament, but all are very attractive. The beans of the White Runner are used in some localities as green shell beans. Scarlet are also edible, but seldom used. All should be treated as directed for Pole Beans.

240 **SCARLET RUNNER.** Pkt. 10 cts., 241 **WHITE RUNNER.** Pkt. 10 cts.

Bellis Perennis—(Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It succeeds best here in a rich loamy-soil, partially shaded. It is generally classed as hardy, but really needs a slight protection through the winter; 4 inches. 245 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{2}$ oz. \$1.75.

246 **LONGFELLOW.** Dark Rose. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

247 **SNOWBALL.** Pure white. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

248 **MONSTROSA DOUBLE MIXED.** These new "Double" Daisies surpass all strains of this popular plant in strong, robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers that measure 2 to 3 inches across, carried on long, strong stems. Pkt. 10 cts., $\frac{1}{16}$ oz. 50 cts.

BLUE LACE FLOWER. See Didiscus.

Brachycome—(Swan River Daisy)

A free-flowering plant of dwarf, compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half-hardy annual; 1 foot.

250 **Mixed Colors.** Pkt. 10 cts.

Browallia

A beautiful, free-blooming half-hardy annual. Seed may be sown in the open ground when warm, but preferably should be sown in the house or hotbed and, if possible, repeated once or twice. For beds, borders or pots, few equal it; 1½ feet. 251 **Blue and White Mixed.** Pkt. 10 cts.

ROSS BROS. CO.

Seeds and Implements



Calendula—(Pot Marigold)

A very free-blooming hardy annual of easy culture. Grows well in nearly all soils. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more desirable for bedding, 1 to 1½ feet.

252 **CAMPFIRE (NEW).** The blooms are flat and very large. The color of the petal is brilliant orange with a scarlet sheen with full yellow center. A good forcing type. Pkt. 15 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

255 **THE BALL.** A large ball-shaped double flower. Color bright orange, much used by florists. Pkt. 10 cts., ½ oz. 60 cts., ¼ oz. \$1.00, oz. \$2.50.

256 **ORANGE GIANT.** Extra large, orange. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

257 **ORANGE KING.** Large dark orange. Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.

258 **LEMON KING.** Clear lemon yellow. Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.

259 **MIXED VARIETIES.** Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts.

Callopis

Well-known, profuse-flowering hardy annuals of the easiest culture. Numbers 260 and 263 represent the type more commonly known. Numbers 261 and 262 resemble in habit, foliage and flower the perennial type, generally known as Coreopsis.

260 **MIXED COLORS.** 1½ to 2 feet. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

261 **CORONATA MAXIMA.** Yellow; extra large, 1½ feet. Pkt. 10 cts., ¼ oz. 20 cts.

262 **GOLDEN WAVE.** (Drummondii.) Golden yellow with small dark center. 1½ feet. Pkt. 10 cts., ¼ oz. 20 cts.

263 **RAY OF GOLD.** Yellow, with purplish brown center, 6 to 8 inches. Pkt. 10 cts., ¼ oz. 20 cts.



Calendula

Canterbury Bells (Campanula Medium)

Well-known, beautiful, hardy biennials. Like all of this class, may be sown where they are to remain any time after midsummer, or in beds in the spring for transplanting. The Calycanthema (Cup-and-Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower. In permanent situations, plants should stand 18 to 20 inches apart. All varieties succeed best in a rich, rather sandy well-drained soil.

267 **PRIZE MIXTURE.** A superb mixture of all classes, single, double, and cup and saucer. Pkt. 10 cts., ¼ oz. 25 cts.

268 **SINGLE MIXED COLORS.** Pkt. 10 cts., ¼ oz. 20 cts.

269 **DOUBLE MIXED COLORS.** Pkt. 10 cts., ¼ oz. 25 cts.

270 **CALYCANTHEMA.** Rose pink. Pkt. 10 cts., ¼ oz. 30 cts.

272 **CALYCANTHEMA.** (Cup-and-saucer.) **Mixed Colors.** Pkt. 10 cts., ¼ oz. 30 cts.

273 **CALYCANTHEMA.** Blue. Pkt. 10 cts., ¼ oz. 30 cts.

274 **CALYCANTHEMA.** White. Pkt. 10 cts., ¼ oz. 30 cts.

Canary Creeper (Tropaeolum Canariensis)

275 A rapid-growing, half hardy annual climber, bearing curiously formed yellow flowers. Blooms until frost. Fine for shady places. 10 to 15 feet Pkt. 10 cts., ¼ oz. 20 cts.

Candytuft

Popular hardy annual, growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 foot.

276 **CARMINE.** Pkt. 10 cts., ¼ oz. 20 cts., oz. 35 cts.

277 **DARK CRIMSON.** (Dunnett's.) Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.

278 **EMPEROR.** Large trusses; pure white. Pkt. 10 cts., ¼ oz. 20 cts., ¼ oz. 35 cts.

279 **GIANT HYACINTH-FLOWERED.** Heads of immense size, resembling the Hyacinth. White. Generally considered superior to Empress. Pkt. 10 cts., ¼ oz. 20 cts., ¼ oz. 35 cts., oz. \$1.00.

280 **MIXED COLORS.** Pkt. 10 cts., ¼ oz. 20 cts., oz. 60 cts.

281 **QUEEN OF ITALY.** Of dwarf, bushy habit. Large pink flowers; fine, 6 inches. Pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.

282 **DWARF HYBRIDS.** Mixed colors. Of dwarf habit, but flowers are large. Pkt. 10 cts., ¼ oz. 20 cts., ½ oz. 35 cts.

283 **WHITE FRAGRANT.** Pkt. 10 cts., ¼ oz. 20 cts., oz. 60 cts.

Canna

The Crozy Cannas are well known for their dwarf growth and luxuriant foliage. The flowers are large and of most brilliant colors. Soak the seeds in warm water until they show signs of swelling, then sow in sandy loam and place in hotbed.

284 **CROZY'S DWARF.** Large flowering varieties. Mixed. 3 to 4 feet. Pkt. 10 cts., ¼ oz. 20 cts.

285 **TALL, DARK-LEAVED VARIETIES.** Mixed. Pkt. 10 cts., ¼ oz. 20 cts.

CARDINAL CLIMBER. See Ipomoea, number 549.

CARDINAL FLOWER. See Lobelia, number 588.

Carnation

Well-known and very popular half-hardy perennial, which until the introduction of the Marguerite class was mainly grown by the florist in the greenhouses and occasionally by the amateur in pots in the house. The Marguerite class, including the original and later introductions of similar type, are treated as annuals, blooming in about four months from seed, which may be sown in the open ground early in the spring, usually by May 1, but preferably earlier in the house, and plants set in the open about the middle of May, as this greatly lengthens the period of blooming. By cutting off the flower-stems early in the fall and potting the plants, they will bloom freely through the winter if kept in a cool room. The Carnation requires a rich soil, and in such, the plants should stand about 12 inches apart.

286 **MARGUERITE IMPROVED SEMI-DWARF.** An improved strain, blooming four months after sowing. Flowers are larger, a greater proportion double and the variety of colors much greater than those of the original. Pkt. 10 cts., ¼ oz. 30 cts.

287 **MARGUERITE GIANTS.** Flower approaches in form, size, fragrance and beauty those grown by the florist. Great variety of color. Blooms four months after sowing. Pkt. 10 cts., ¼ oz. 40 cts.

288 **CHAUBAUD'S GIANT PERPETUAL.** A new strain, remarkable for its combination of earliness with the continuity of bloom and perfection of flowers of the perpetual type. Blooms four or five months after sowing. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring. Pkt. 15 cts.

290 **DWARF VIENNA.** Blooms early the second summer from seed. The hardiest sort, said to stand the winter with slight protection. Flowers large, double, fragrant and of varied colors. Pkt. 10 cts., ¼ oz. 25 cts.

292 **DOUBLE-FINE MIXED.** A choice strain of the regular type, blooming the second year from sowing. Most desirable for house culture. Pkt. 10 cts.

Cineraria—(Hybrida Grandiflora)

291 **ROSS' PRIZE MIXTURE.** The plants are of compact growth, carrying extra large flower heads with flowerets of unusual size and substance. This strain includes the brightest and richest self colors as well as a good mixture of all colors. Pkt. 25 cts.



Carnation

EVERYBODY KNOWS Ross' Seed Grows



Castor Bean (*Ricinus*)

Well-known tender annual; tall, stately, majestic plants of very rapid growth, with palmlike leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups, 6 to 15 feet.

295 **BORBONIENSIS.** Large, showy foliage of purplish hue. 15 feet. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1.00.**

296 **CAMBODGENSIS.** Stalks and stems nearly black; leaves large, of a deep bronze maroon. 6 feet. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts.**

297 **SANGUINEUS.** (Tricolor.) Stalks blood-red, foliage, reddish bronze, with scarlet seedpods. 6 feet. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts.**

298 **ZANZIBARENSIS.** A comparatively new class, with gigantic leaves, ranging in color from light green to deep bronze. 10 to 15 feet. Mixed varieties. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts.**

299 **GIBSONI.** Large dark-red leaves. 5 feet. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts.**

300 **All Varieties Mixed.** **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts.**

Cockscomb (*Celosia cristata*)

Popular free-blooming, half-hardy annual bearing flowers of comb-like form, the recently improved strains producing under best cultivation heads of enormous size. Grown either by itself or combined with other plants, the Cockscomb makes a striking and effective display. While seeds may be, and more generally are, sown in the open ground, for best results it should be sown early in the house, and the young plants transplanted into small pots, in which they should remain until they show signs of blooming, when they should be shifted to a permanent location. The Cockscomb requires good, rich soil, ample room and plenty of moisture to fully develop its flowers.

305 **GLASGOW PRIZE.** Crimson; dark foliage. 9 inches. **Pkt. 10 cts., 1/8 oz. 30 cts.**

306 **GOLDEN YELLOW.** 9 inches. **Pkt. 10 cts., 1/8 oz. 30 cts.**

307 **MIXED.** **Pkt. 10 cts., 1/8 oz. 20 cts.**

310 **DWARF, EXTRA-CHOICE MIXED.** Includes all the latest introductions and colors of the Cockscomb. **Pkt. 10 cts., 1/8 oz. 50 cts.**

Feathered Celosia (*Celosia plumosa*)

Often used for winter bouquets, and for this purpose should be cut before fully ripe and dried in the house. This class requires the same treatment as the preceding half-hardy annual. 1 to 1 1/2 feet.

311 **THOMPSON SUPERB.** Graceful, feathery plumes of rich crimson, which contrast beautifully with the purplish bronze foliage. **Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.**

312 **GOLDEN PLUME.** Golden Yellow. **Pkt. 10 cts., 1/8 oz. 20 cts., 1/4 oz. 35 cts.**

313 **THOMPSONIA MAGNIFICA.** A splendid strain, large plumes, ranging from clear yellow to darkest red. **Pkt. 10 cts., 1/8 oz. 30 cts.**

316 **CHOICE MIXED.** **Pkt. 10 cts., 1/4 oz. 20 cts., oz. 50 cts.**

Centaurea

To this family belongs the well-known annuals, Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

CYANUS. (Bachelor's Button, or Cornflower.) Popular hardy annual of the easiest culture, blooming quickly after seed is sown and for a considerable time if flowers are kept well cut. 2 feet.

317 **DOUBLE BLUE.** A selection of the old-fashioned Bachelor Button, producing a large percentage of beautiful double blue flowers. **Pkt. 10 cts., 1/8 oz. 35 cts.**

318 **SINGLE and DOUBLE MIXED.** **Pkt. 10 cts., 1/4 oz. 20 cts., oz. 60 cts.**

319 **SINGLE WHITE.** 320 **SINGLE LILAC.** Each, **pkt. 10 cts., 1/8 oz. 20 cts.**

321 **MOSCHATA.** (Common Sweet Sultan.) Mixed colors. **Pkt. 10 cts.**

322 **SAUVEOLENS.** (Yellow Sweet Sultan.) **Pkt. 10 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.**

IMPERIALIS. (Royal Sweet Sultan.) A new and greatly improved type of Sweet Sultan. Both plants and flowers are much larger than the common. The flowers are borne on long, stiff stems and will last for several days after cutting. They are very fragrant and colors delicate and beautiful.

323 **BLUE.** 324 **WHITE.** Each, **pkt. 10 cts., 1/8 oz. 30 cts.**

325 **MIXED COLORS.** **Pkt. 10 cts., 1/8 oz. 25 cts.**

WHITE-LEAVED CENTAUREAS. (Dusty Miller.) Half-hardy perennials which are grown annually from their seed for their foliage only. Used with other foliage and flowering bedding plants.

326 **CANDIDISSIMA.** Deeply cut, silvery white foliage, densely covered with white hairs. 1 foot. **Pkt. 10 cts.**

327 **GYMNOCARPA.** Silvery-white foliage; of graceful drooping habit. 1 1/2 feet. **Pkt. 10 cts.**

328 **MONTANA BLUE.** (Perennial Corn Flower.) Large violet-blue flowers. 2 feet. **Pkt. 10 cts., 1/8 oz. 30 cts.**



Chinese Woolflower



Cockscomb

CELOSIA CHILDSII. Its ease of culture and long continued blooming season (July until frost) together with its massive bunches of wool-like flowers and glowing colors combine to make it the most odd as well as the showiest novelty for the general flower garden. Plants grow about three feet high. Seed may be sown in open, after danger from frost, or sown in pots; may be transplanted when ground is ready.

329 **Crimson**, 329A **Dark Pink**, 329B **Yellow**, 329C **Mixed Colors**. Each, **pkt. 20 cts., 3 prts. 50 cts.**

Chrysanthemum—(Annual Varieties)

Free-flowering plants of branching habit, with rich, finely cut and very ornamental dark green foliage, bearing on long stems daisy-like flowers of bright and varied colorings. These colorings on the single varieties are usually in distinct rings and look, on the flat petals, as though they were painted on. Both grow freely from seed, are of easy culture, very desirable for cutting and are effective bedding plants. They should be given plenty of room—from 2 to 2 1/2 feet, and will bloom more freely on soil of medium fertility. Hardy annual. 1 to 1 1/2 feet.

330—**SINGLE.** (Painted Daisies.) Mixed colors. **Pkt. 10 cts., 1/4 oz. 20 cts., oz. 60 cts.**

331—**EVENING STAR.** Covered with bright golden yellow single flowers. **Pkt. 10 cts., 1/8 oz. 20 cts.**

333 **DOUBLE.** (Marguerites.) **Pkt. 10 cts., 1/8 oz. 20 cts.**

ROSS BROS. CO.

Seeds and Implements



Clarkia

A pretty, hardy annual from California, much improved in recent years. Blooms profusely in either sun or partial shade. Colors: Rose, salmon-pink, purple and white, in mixture. 1 foot.

338 Single and Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Clematis

340 PANICULATA. One of the finest hardy perennial climbers. Of robust habit, and covered from the ground to the summit with pure white fragrant flowers. The flowers are followed by pretty seed pods of bronzy-red. 12 feet. Pkt. 10 cts.

341 Large-Flowering, Mixed. (Jackman's.) Flowers 3 to 4 inches across, of charming shades of blue, white, purple, lavender, etc. 10 to 12 feet. Pkt. 10 cts.

Cleome "Giant Spider Plant"

343 GIGANTEA ROSEA. A showy garden annual producing curious heads of flowers of bright rose color with long antennae-like stamens; of easy cultivation, blooming early until late. 4 to 5 feet. Pkt. 10 cts.

Cobaea

345 SCANDENS. (Climbing Cobaea.) (Cathedral Bells.) A beautiful, rapid-growing, half-hardy perennial climber, blooming the first year from seed, bearing large bell-shaped flowers; at first green, but changing to a beautiful deep violet-blue. A clean porch climber, free from insects. Sow early in the house and pot the plants, as this greatly lengthens the period of bloom, and the plants will make a much greater growth. Seed germinates more readily if pushed into the ground edgewise and barely covered. 20 to 30 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Coix Lachryma—(Job's Tears)

347 An ornamental grass growing from 7 to 9 feet high. Large broad leaves bearing large shiny seed. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 35 cts.

Coleus

Popular ornamental foliage plants, usually propagated by cuttings, but easily grown from seed, from which many new varieties may be expected, affording an interesting experiment to the amateur. Sow in heat in March or April and transplant to open ground about the first of June. For borders of geranium or canna beds and in carpet-bedding very useful. Grows rapidly.

350 Choice Hybrids, Mixed. From a large collection; of greatly diverse shades and markings. Pkt. 10 cts.

351 New Large-Leaved Varieties, Mixed. Saved from new varieties with very large and richly variegated foliage. Pkt. 25 cts.

Collinsia

A free-flowering hardy annual from California, of easiest culture and great beauty. Seed preferably should be sown in the fall, as the plants will bloom much earlier than from seed sown in the spring. It may, however, be sown in the spring, if desired. 1 foot.

353—Mixed Colors. Pkt. 10 cts.

COLUMBINE. See Aquilegia.

Convolvulus Minor—(Dwarf Morning-Glory)

Half-hardy annual of trailing habit, growing about 1 foot high and covering a space of 2 feet, and bearing abundantly bell-shaped flowers similar to those of the tall sort. Flowers open on clear days about noon and remain open until evening, are pure white and of many shades of blue and red.

356 Mixed Colors. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

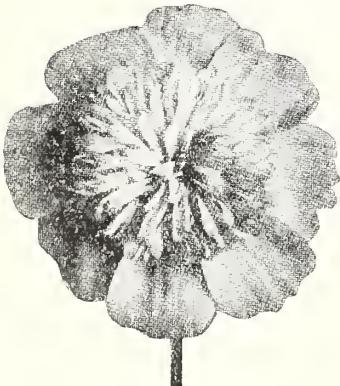
Burbank's Rainbow Corn

357 The stalks, including tassel, grow five and a half feet tall, and are clothed with many various variegated leaves three inches wide and two feet long. The leaves (both on main stalks and suckers) are all superbly striped with broad bands of crimson, yellow, rose, white and bronze. The small hardy seed can be planted early, and as it does not ripen until very late the plants present their rich tropical beauty for a long season. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Coreopsis

For Annual Varieties, see Calliopsis.

358 LANCEOLATA GRANDIFLORA. A beautiful, hardy perennial, blooming profusely the first season until frost from seed sown early. The flowers are a rich golden yellow, often 3 inches in diameter, borne on fine long stems and are very desirable for cutting. Of easiest culture, growing anywhere. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.40.



Double Crested Cosmos



Early Flowering Cosmos

Cosmos

Beautiful autumn-blooming plants. They produce thousands of artistic flowers in pure white, pink and crimson shades, furnishing an abundance of cut blooms for autumn decorations when other flowers are scarce. Should be sown in spring in the open ground, when danger of frost is past, or the seed may be started under cover and afterwards transplanted. Plant not less than 18 inches apart in rows or in masses in beds. When the plants are about a foot high the tops should be pinched out to induce a bushy growth. They prefer a rather light not too rich soil, but do well almost anywhere.

359 KLONDIKE. Large orange colored flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.

360 MAMMOTH PERFECTION. Mixed colors. Flowers of mammoth size, rather late in flowering; seed should therefore be sown as early as possible in the house in March, or, as the plant is especially hardy, in the open ground in a sheltered spot in April. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

362 LARGE EARLY FLOWERING. In the New Large Early Flowering we have a strain which combines the desired features of good size and early production. The flowers are fully twice as large as the Early-Flowering, while the plant blooms as early. Crimson, Rose and White Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1.00.

362A CRIMSON. 362B Pink. 362C White. Each, pkt. 10 cts.

LADY LENOX. Long stemmed flowers, often measuring 5 inches across. Unsurpassed for garden decoration and cut flowers. 6 to 7 feet.

364 Pink. 364A White. Each, pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.



EVERYBODY KNOWS Ross' Seed Grows

Double Crested Cosmos

These hybrids form bushy plants 5 to 6 feet high and flower profusely during the autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms, the reason being that the double flowers and pistillate—having no stamens and consequently bear no pollen—so to produce seed must depend on staminate singles of pollination. The progeny thereof comes about half doubles and half singles. Double Cosmos flowers aside from their novelty and beauty are of lasting substance, both on the plants and as cut flowers.

365 CRIMSON KING. Dark crimson.
 365A PINK BEAUTY. Soft pink.
 365B WHITE QUEEN. Pure white.
 365C WHITE PINK AND CRIMSON MIXED. Each 20 cts. per pkt., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{2}$ oz. \$1.00, oz. \$1.75.

Ross' Giant Cyclamen

Charming house plants, with beautiful foliage and rich colored, fragrant flowers. Universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

369 Giant Mixed. Pkt. 50 cts.

Cypress Vine

A popular climbing vine, with delicate fern-like foliage, bearing in abundance small, star-shaped, rose, scarlet, or white flowers. Of easy culture. Half-hardy annual. 10 to 12 feet.

370 Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

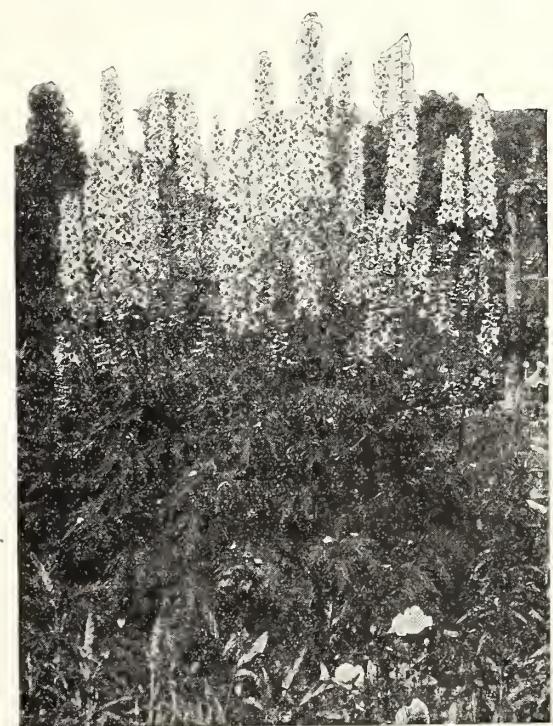
Dahlia

The growing of the double varieties from seed is always more or less of an experiment, but fine flowers of the single type can be easily secured from seed the first season. If seed of the double sorts is sown in March and the young plants set in the open ground as soon as danger of frost is past, some of the plants, perhaps half, will bloom the first season. The single varieties, however, will all bloom the first season from the seed sown in the open ground, as late as the first week in June. An earlier planting is, however, preferable. Tender perennial. The tubers formed each season should be stored in a frost-proof cellar.

371 SINGLE MIXED COLORS. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

372 SPECIAL MIXTURE of Giant-Flowered Single Varieties. Comprises seed from noted English and Holland growers, and includes the Giant Perfection, and Colossal strains, and Hornsved's Giant Hybrids. An unsurpassed mixture of the greatest possible diversity of color. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.

373 DOUBLE LARGE-FLOWERED. Mixed colors. Saved from the finest show varieties. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.



Delphinium



Double Dahlia

Daisy

It has always seemed to us unfortunate that the English Daisy (*Bellis perennis*) should have been given its common name as we are quite sure that nearly every one instinctively associates with the term "daisy" or "daisy-like" flowers which resemble in form and habit our common field daisy. We therefore, list under this head the famous Shasta Daisy and Michaelmas Daisies and call attention to other flowers often known as Daisies, but listed elsewhere under different names.

376 AFRICAN GOLDEN. (*Dimorphotheca Aurantiaca*.) This very showy annual plant is a valuable addition to the list of hardy annuals. When first exhibited, it gained an Award of Merit at the great Temple Show, London, has been very favorably mentioned in the leading horticultural papers of this country and Europe, and all who have seen the plant in bloom praise it. A bed of these plants is remarkably effective, and the flowers are excellent for cutting, while the plant is easily grown from seed sown in the open ground. This combination of beauty of flower, profusion and length of bloom and ease of culture should commend this plant to all who cultivate flowers and will, we are sure, make it a general favorite when once its merit is known.

Pkt. 10 cts., $\frac{1}{16}$ oz. 25 cts.

SHASTA DAISY. An extremely hardy perennial, thriving in all soils, blooming more freely each season, and when once established, for several months. Easily grown from seed and can be also increased by division of the root. The flowers are from 3 to 4 inches across, borne on very long, stiff, wiry stems, and remain in good condition for many days after being cut.

378 ALASKA. Pure glistening white. Pkt. 15 cts., $\frac{1}{16}$ oz. 40 cts., $\frac{1}{8}$ oz. 75 cts.

379 SELECTED HYBRIDS. A mixture of seeds saved from the best seedlings, including some with double rows of petals. Pkt. 15 cts.

MICHAELMAS DAISIES. (*Perennial Single Aster*.) Beautiful and showy, hardy perennials easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early.

381 MIXED COLORS. Pkt. 10 cts.

For other flowers known as Daisies, see *Anthemis*, *Brachycome* and *Chrysanthemums*.

Datura

DATURA. (Trumpet Flower.) Strong growing ornamental annual shrubs. Flowers trumpet shape, large and fragrant.

383 FINEST MIXED. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Delphinium—(Larkspur)

Showy, hardy annuals and perennials, thriving in nearly all soils if well enriched and open to the sun. Seed of the annual sorts, though more generally sown in the spring, should preferably be sown in autumn, as plants commence blooming much earlier. Seed of the perennial kinds may be sown in the open ground from April to October, or inside in March, and if plants are kept growing well until June, and then set in the open border some will bloom well in the autumn months. (See next page.)

ROSS BROS. CO.

Seeds and Implements



Annual Delphiniums

385 **DOUBLE DWARF ROCKET.** 1 foot. Mixed colors. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts.
DOUBLE BRANCHING. 387 Carmine, 388 Dark Blue, 389 Light Blue, 390 White. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{2}$ oz. 70 cts.
391 **DOUBLE IMPERIAL BRANCHING.** Mixed colors. A superior strain. 2 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Perennial Delphiniums

393 **ELATUM.** (Bee Larkspur.) Flowers have curiously folded, hairy petals in the center, which give them a fancied resemblance to a bee. Rich shades of blue, with black center. 2 $\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
394 **FORMOSUM.** The large flowers are deep, rich blue, with white centers. 2 $\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
395 **SIBIRICUM HYBRIDUM.** Shades of blue. If sown early, will bloom in August. 2 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Dianthus, Pinks

Hardy biennials, blooming the first year from seed. So easily grown from seed as to be rarely treated as biennials. Seed may be sown in the open ground any time in May. Plants 6 inches apart. Height 1 foot.

398 **DOUBLE CHINA.** (D. Chinesia fl. pl.) Small, double flowers, borne in large clusters of many colors, mostly with white edge. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.
399 **HEDDEWIG'S DOUBLE.** (D. Heddewigii fl. pl.) Japan Pinks. Very large, double flowers of a wide range of color, running from white and light pink through shades of red to rich, velvety crimson and deep maroon almost black. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
400 **SINGLE MIXED.** Large single flowers, of rich and varied colorings. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.
406 **DOUBLE FRINGED JAPAN.** (D. laciniatus fl. pl.) Large, double fringed flowers of rich and varied colorings. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
407 **FIREBALL.** Of dwarf habit. Flowers globular, double, dark, blood red. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.
408 **SNOWBALL.** Very double, pure white. Excellent. Pkt. 10 cts.
415 **WORCESTER MIXED.** All the above and other choice strains. Unsurpassed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.00.

Hardy Perennial Varieties

Clove or Grass Pinks:

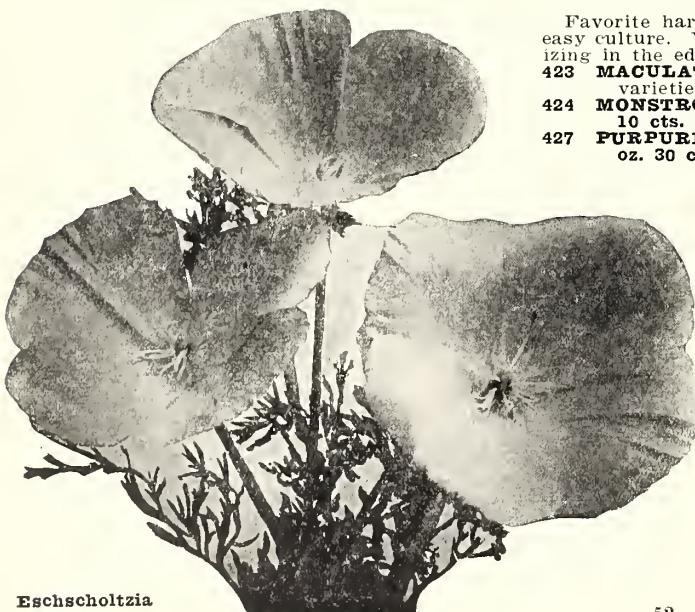
Dianthus plumarius

Improved forms of the old well-known Clove Pink. They grow anywhere and bloom very profusely. Flowers of many pleasing colors and deliciously fragrant. Very useful for the hardy border.

416 **SINGLE.** (Pheasant's Eye, Pink.) Mixed colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.
417 **DOUBLE AND SEMI-DOUBLE.** Mixed colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.
418 **FLORIST'S PERPETUAL PINK.** (D. semper-florens.) Double and semi-double; large flowers; very fragrant and of a great diversity of colors. Blooms nearly all summer and if sown in March will generally bloom the first season. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts.

Didicus

420 **COREULEUS.** (Blue Lace Flower.) An attractive annual, blooming from July until frost. The flowers are pale to lavender and are valuable for cutting. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



Eschscholtzia



Dianthus

Digitalis—(Foxglove)

Favorite hardy plant bearing in June and July tall flower spikes. Of easy culture. Well suited for background to other plants, and for naturalizing in the edges of woods. Hardy biennial or perennial. 2 $\frac{1}{2}$ to 3 feet.

423 **MACULATA SUPERBA.** (Ivy's spotted.) Choice strain of spotted varieties. Pkt. 10 cts.
424 **MONSTROSA.** Mixed colors. Monstrous flowers. Attractive. Pkt. 10 cts.
427 **PURPUREA.** (Common Foxglove.) Mixed colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

428 **PURPUREA.** Rose. Pkt. 10 cts.

429 **PURPUREA.** White. Pkt. 10 cts.

Dolichos—(Hyacinth Bean)

A rapid-growing hardy, annual climber, bearing all summer clusters of white or purplish blue flowers, followed by ornamental seed-pods. Sow in May where plants are to remain. 10 feet.

433 **Mixed Colors.** White and purple. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Dracaena—(Dragon Plant)

434 **INDIVISA.** Beautiful ornamental-leaved plants; long narrow, green foliage; indispensable for vases and house decoration. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

Eschscholtzia—(California Poppy)

A very showy hardy annual, with beautiful, finely cut, glaucous foliage, bearing poppy-like flowers of bright colors. Of easy culture. Sow as early as soil can be worked, where plants are to remain, as they do not bear transplanting well. 1 foot.

439 **CALIFORNIA.** Yellow. Pkt. 10 cts.
442 **MIXED COLORS.** Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.
443 **ERECTA COMPACTA. ROSE QUEEN.** Rose carnation. Pkt. 10 cts.

EVERYBODY KNOWS Ross' Seed Grows

Euphorbia

Ornamental foliage plant; easily grown from seed. Striking and effective appearance. Hardy annual.

452 **VARIEGATA.** (Snow-on-the-Mountain.) Foliage-veined and margined with white. 2 feet. **Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.**

Forget-Me-Not—(Myosotis)

Favorite hardy perennials, mostly treated as annuals, nearly all blooming the first season from seed sown early in the open ground. They succeed to a degree that warrants their cultivation in average soil and open situation, but thrive better in cool, moist soil, considerably shaded. 6 inches.

454 **ALPESTRIS.** (Blue Alpine Forget-Me-Not.) **Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.**

457 **PALUSTRIS.** (True Forget-Me-Not.) Dark blue; blooms the first season. **Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.**

459 **DISTINCTION.** (Ever-flowering.) New; blooms in eight to ten weeks from sowing. **Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.**

461 **VICTORIA.** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. **Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.**

Four O'Clock—(Marvel of Peru)

A well-known favorite plant, bearing freely funnel-shaped, white, red and striped flowers, which open about four o'clock in the afternoon. Will grow anywhere. Plants should be given plenty of room, about 2 feet apart. Hardy annual. 2 feet.

465 **Mixed Colors.** **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.**

FOXGLOVE. See Digitalis. Page 52.

Gaillardia

ANNUAL VARIETIES (Blanket Flower)

Very showy, free-blooming, hardy plants of easy culture. Seed germinates very slowly and should be sown in the house in March. The flowers are very brilliant, borne on long stems. Fine for cutting. 2 feet.

470 **PICTA.** Single; mixed colors. **Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.**

471 **PICTA.** Double; mixed colors. **Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.**

Perennial Gaillardia

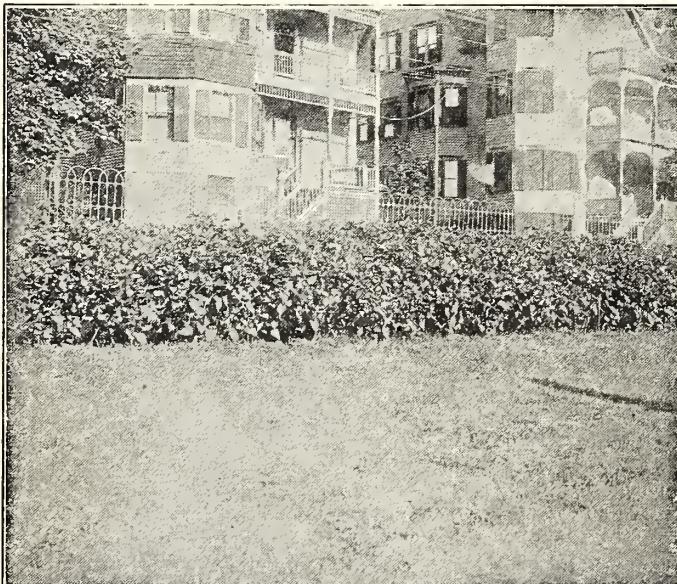
Hardy perennial Gaillardias thrive in nearly all soils and situations, requiring no protection and almost no care. Flowers large; with rich shades of scarlet, orange and crimson, the three often combined in one flower. Desirable for the perennial border. If sown early will bloom in the first season, $1\frac{1}{2}$ to 2 feet.

478 **Newest Varieties.** Mixed. A splendid mixture; comprises all the colorings known. **Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.**

Geranium

Well-known, half-hardy, greenhouse perennials, easily raised from seeds. Seeds sown in the fall or early winter will produce flowers in June, while from that sown in March, plants will not bloom until September, and from seed sown in the open ground in May or June plants will bloom in mid-winter.

485 **ZONALE.** (Fish or Horseshoe Geranium.) Saved from the largest and finest varieties. **Pkt. 10 cts.**



A Hedge of Four O'Clocks



Gaillardia

Globe Amaranth—(Gomphrena)

488 **MIXED COLORS.** A tender annual plant, bearing globe-shaped ever-lasting flowers, often used, when dried, in winter bouquets. Blooms freely and is an excellent bedding plant. **1 $\frac{1}{2}$ feet. Pkt. 10 cts.**

Gloxinia

One of the most beautiful greenhouse perennials. May be successfully grown by the amateur. Give them a porous and well-enriched soil; a warm, moist atmosphere, and as soon as they begin to flower remove them to a cooler house, and afterwards dry them off gradually and keep them free from moisture till they again begin to grow. The seeds are small and should be sown on an even surface and slightly covered.

489 **SPLENDID MIXTURE.** A mixture of all classes unrivaled in richness of colors. **Pkt. 25 cts.**

Godetia

A showy and beautiful hardy annual, bearing fairly large delicately shaded, satiny flowers; of easy culture, blooms best in rather poor soil. Seed may be sown in the open ground, or sown in the house in March and transplanted to the open ground as soon as danger from frost is past. The plants require plenty of room. Close planting weakens them.

490 **MIXED COLORS.** Tall. Includes all varieties and the latest introductions. **Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.**

Gourds

Ornamental, tender annual climbers, with curiously formed and colored fruit; of very rapid growth; useful for covering unsightly objects. 10 to 20 feet.

491 **Apple-shaped.** Small, striped. **Pkt. 10 cts.**

492 **Dipper.** The fruit is of slender, neck-like form for two-thirds its length, widening at the apex in the form of a bowl. Sometimes used as a dipper. **Pkt. 10 cts.**

493 **DISH-CLOTH.** Fruit large and elongated, with a spongy net-work of tough fibre inside, which when dried is used by the Japanese to form the soles of sandals. It is also used like a sponge for bathing. **Pkt. 10 cts.**

494 **Egg-shaped.** **Pkt. 10 cts.**

496 **Miniature Bottle shaped.** **Pkt. 10 cts.**

497 **Orange-shaped.** **Pkt. 10 cts.**

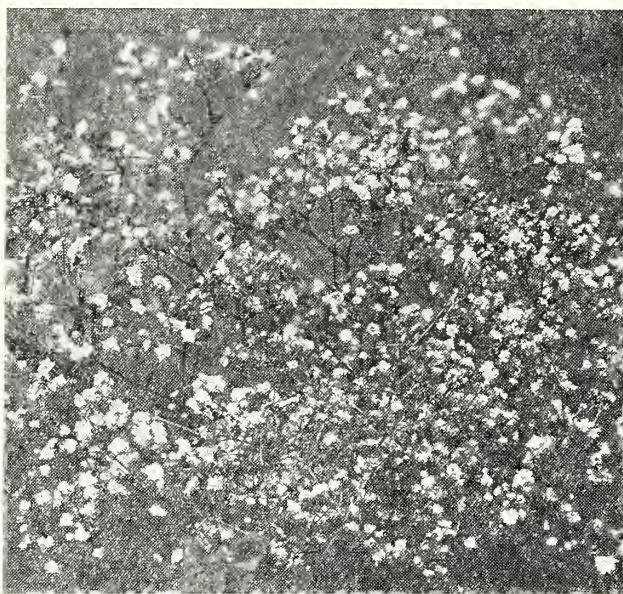
498 **Pear-shaped.** Green, white-striped. **Pkt. 10 cts.**

500 **Mixed Varieties.** Small sorts. **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.**



ROSS BROS. CO.

Seeds and Implements



Gypsophila

Gypsophila

(Baby's Breath)

Very useful, free-blooming plants of easiest culture. Flowers very small, borne in loose, graceful panicles. Very largely used in bouquets with other cut-flowers, such as Sweet Peas, Roses, Carnations, etc. 2 feet.

504 **PANICULATA FLORE PLENO.** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. **Pkt. 25 cts.**

505 **ELEGANS GRANDIFLORA ALBA.** White. An improved form of the annual Gypsophila. Grown by the acre for the London and Paris flower markets. Blooms quickly after sowing; several sowings should be made. **Pkt. 10 cts., 1/4 oz. 20 cts., oz. 60 cts., 1/4 lb. \$1.50, 1/2 lb. \$2.50.**

506 **PANICULATA.** White. The variety more generally known as Baby's Breath. Hardy perennial. **Pkt. 10 cts., 1/4 oz. 20 cts.**

Grevillea

507 **ROBUSTA.** (Silk Oak.) The graceful evergreen, fernlike foliage combines admirably with palms and other massive-leaved plants. Excellent for table decorations. **Pkt. 10 cts., 1/8 oz. 40 cts.**

Helenium

A very valuable hardy perennial, bearing in profusion August and September, long stemmed single flowers; fine for cutting. Effective as a background.

510 **AUTUMNALE SUPERBUM.** Deep golden yellow. 5 to 6 feet. **Pkt. 10 cts.**

Helichrysum

(Straw Flower; Everlasting)

One of the best everlasting flowers and an effective bedding plant, succeeding in any well enriched soil. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual. 2 feet.

515 **DOUBLE MIXED COLORS.** (H. monstrosum fl. pl.) Largest double flowers. **Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 40 cts.**

Heliopsis

516 **PITCHERINA.** One of the best hardy perennials for dry soils and its graceful flowers among the best for cutting. The plant commences to bloom early in season. The flowers are of a beautiful deep yellow, of great substance, and about 2 inches diameter. 3 feet. **Pkt. 10 cts.**

Heliotrope

A well-known and favorite plant, largely grown in pots, but thriving in the open border; usually grown from cuttings, but grows readily from seed, blooming the first season if sown early. Half-hardy perennial.

518 **Mixed Colors.** All shades. **Pkt. 10 cts.**

519 **Large-flowering.** Mixed colors. Heads of flowers nearly double the size of the old sorts. **Pkt. 10 cts.**

Heuchera

525 **SANGUINEA.** A fine, hardy perennial, bearing in graceful spikes rich crimson flowers. Useful for cutting, and the plant is useful in the mixed border. 1 foot. **Pkt. 10 cts.**

Hibiscus

Vigorous-growing plants, producing large, handsome flowers, often six inches across. Very desirable for mixed beds or borders.

526 **AFRICANUS.** Hardy annual, yellow, 2 feet. **Pkt. 10 cts., 1/8 oz. 20 cts.**

Hollyhock

One of the oldest hardy favorites, greatly improved in recent years, flowers being large and of better form, and plant of more sturdy growth. While the Hollyhock delights in deep, rich soil, it must be dry and well drained, or plants will not live through the winter. Though often sown later, seeds should be sown not later than June. As young plants bloom better and are hardier, seed should be sown every year. Hollyhocks are most effective planted in long rows. Hardy perennial. 5 to 7 feet.

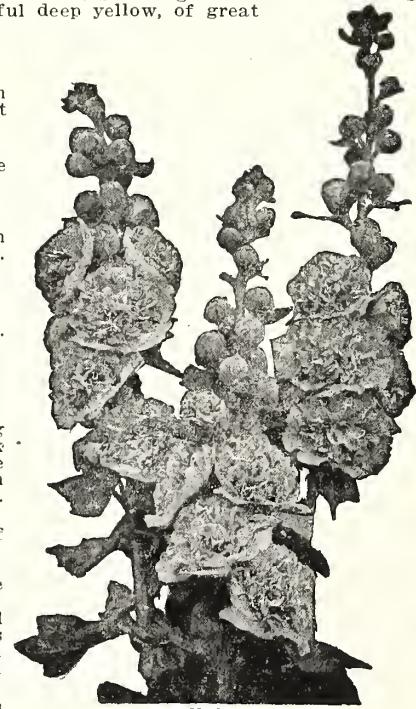
530 **CHATER'S FINEST MIXED.** Choicest double varieties, a large percentage of the flowers coming double. **Pkt. 10 cts., 1/8 oz. 35 cts., 1/4 oz. 60 cts.**

531 **Double. Mixed Colors.** **Pkt. 10 cts., 1/8 oz. 25 cts.**

532 **ALLEGHENY.** Large, semi-double flowers, beautifully fringed, of silky texture and richly colored. **Pkt. 10 cts., 1/8 oz. 25 cts.**

534 **EVERBLOOMING HYBRIDS.** (Annual Hollyhocks.) Double, Semi-Double and Single. Mixed. A new strain, blooming the first season from seed. Plants from seed sown inside in March or April will bloom in July and those from seed sown in the open ground in August, and, both cases, continuously until frost if main stem is pinched off when 3 or 4 feet high. **Pkt. 10 cts.**

CHATER'S DOUBLE. 535 Maroon. 535A Pink. 536 Snow White. 536A Yellow, **Pkt. 10 cts., 1/8 oz. 35 cts.**



Hollyhock

EVERYBODY KNOWS

Ross' Seed Grows



Humulus—(Hop)

Rapid-growing climbers with attractive foliage, especially valuable because seldom injured by insects or drought. The Japanese variety is a hardy annual and among the best for quickly covering unsightly objects. The Lupulus, or Common Hop, is a hardy perennial, easily grown from seed and, when established, of very rapid growth. 10 to 20 feet.

537 **VARIEGATA.** Variegated foliage, green and white. **Pkt. 10 cts.**

538 **LUPULUS.** The Common Hop. **Pkt. 10 cts.**

Hunnemannia

540 **FUMARIAEFOLIA.** (Giant Tall Poppy, or Bush Eschscholtzia.) A valuable plant of the Poppy family, closely allied to the Eschscholtzia. A perennial, always treated as an annual, blooming by middle of July and from seed sown early in May, and continually until frost. The large flowers are of a deep, rich yellow, borne on very long stems and last a remarkably long time after cutting. 2 feet. **Pkt. 10 cts., 1/8 oz. 25 cts.**

HYACINTH BEAN. See Dolichos.

Iberis

543 **SEMPERVIRENS.** (Perennial Candytuft.) A desirable hardy perennial of easiest culture. Dwarf spreading habit; suitable for rockeries. Flowers pure white. **Pkt. 10 cts., 1/8 oz. 30 cts.**

Ice Plant—(Mesembryanthemum)

546 **CRYSTELLINUM.** A trailing plant, with succulent stems and leaves. Excellent for hanging baskets and rockwork. Tender annual. 9 inches **Pkt. 10 cts.**

Ipomoea

The Ipomoea family includes the well-known Morning Glory, the Moonflower and the Cypress Vine. Rapid-growing climbers of easiest culture; bloom earlier and more profusely on rather poor soil, but of higher growth and more attractive foliage when grown on rich soil. Tender annuals, 15 to 30 feet.

549 **CARDINAL CLIMBER.** (Ipomoea Quamoclit Hybrida.) Leaves are dark green, fern-like and deeply laciniate; bears a great profusion of fiery, cardinal red flowers which are about 1 1/2 inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. **Pkt. 15 cts., 2 pkts. 25 cts.**

550 **BONA NOX.** (Evening Glory.) Beautiful, large, violet-blue flowers which open at night. Of extremely rapid growth. **Pkt. 10 cts.**

552 **SETOSA.** (Brazilian Morning Glory.) A handsome variety of luxuriant growth, having very large three-lobed leaves, the under side of stem being thickly set with small reddish hairs. Flowers are a pleasing rose, about 2 1/2 inches across, of delicate satiny texture and borne in clusters, but one or two in each cluster opening at once. **Pkt. 10 cts.**

553 **RUBRA CERULEA.** (Heavenly Blue.) Large, heart-shaped leaves; flowers 4 to 5 inches across, borne in clusters and in such profusion as to nearly cover the foliage; bright sky-blue. **Pkt. 10 cts.**

Jerusalem Cherry—(Solanum)

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage. Popular for greenhouse or house decoration.

555 **SOLANUM CAPSICASTRUM.** Covered with scarlet fruit during the winter. One and one-half feet. **Pkt. 10 cts.**

Kochia

556 **TRICOPHYLLA.** (Summer Cypress.) A very quick-growing annual; cultivated for its beautiful foliage, which is feathery and fine as moss. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before its dies. The brilliant coloring has given it its other two common names of Mexican Fire Plant and Burning Bush. It is often grown in rows as low hedges. Seeds may be sown in the open ground about May 1. Hardy annual, 2 1/2 feet. **Pkt. 10 cts., 1/8 oz. 20 cts.**

JOBS TEARS. See Coix Lachryma.

Kudzu Vine—(Pueraria)

560 **THUNBERGIANA.** (Jack-and-the-Beanstalk Vine.) A vine of wonderful rapid growth, when well established growing to the great height of 40 to 50 feet. Leaves are of enormous size. One of the best for forming a screen for any purpose. In the North the plant dies to the ground in the winter, but in the South becomes woody. Hardy perennial. **Pkt. 10 cts., 1/8 oz. 25 cts., 1/4 oz. 40 cts.**

Lantana

A favorite plant of rapid growth, blooming continually through the summer; desirable for the garden or house. Tender perennial. 2 feet.

562 **Mixed Colors.** **Pkt. 10 cts.**



Kochia

Lathyrus Latifolius—(Everlasting Sweet Pea)

An easily grown hardy perennial climber, bearing freely flowers somewhat similar in form to the Sweet Pea. If grown on moist soil, will bloom nearly all summer. Colors: Reddish purple, rose and white. 6 to 8 feet.

570 **Mixed Colors.** **Pkt. 10 cts., 1/4 oz. 20 cts., 1/2 oz. 35 cts.**

.. **LARKSPUR.** See Delphinium.

Lavender—(Lavendula Vera)

575 **VERA.** A well-known hardy perennial grown chiefly for its lasting fragrance. **Pkt. 10 cts., 1/8 oz. 20 cts.**

Lavatera Tremestris

Beautiful and effective hardy annual, covered during the entire summer with pretty and showy blossoms.

576 **Rose Pink.** **577 White.** **Pkt. 10 cts., 1/4 oz. 20 cts.**

Linum—(Scarlet Flax)

580 **GRANDIFLORUM.** (Scarlet Flax.) Hardy annual of slender habit, bearing in profusion brilliant scarlet-crimson flowers. An effective bedding plant. 1 foot. **Pkt. 10 cts.**

Lobelia

Pretty little plants of easy culture, blooming profusely from June until frost. The dwarf varieties are useful for bedding and edging, the trailing variety is excellent for hanging-baskets, vases and rock-work. Half-hardy annuals.

585 **CRYSTAL PALACE COMPACTA.** Rich blue flowers, dark foliage. **Pkt. 10 cts., 1/4 oz. \$1.00.**

586 **WHITE GEM.** White Dwarf; very profuse. **Pkt. 10 cts.**

587 **GRACILIS.** Light blue, trailing. **Pkt. 10 cts.**

588 **CARDINAL FLOWER.** (Cardinalis.) Intense scarlet 3 feet. **Pkt. 10 cts.**

LOVE-IN-A-NEST. See Nigella. **Page 58.**

Lupin

590 **Annual Varieties, Mixed.** Easily grown plants, with long, graceful spikes of pea-shaped flowers of various colors. 2 feet. **Pkt. 10 cts., oz. 35 cts.**

591 **Perennial Varieties, Mixed.** Hardy, plants of easy culture, useful as a background in the perennial border. Mixed blue and white. 2 to 4 feet. **Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.**



ROSS BROS. CO.

Seeds and Implements



Lychnis

Perennial plants of easy culture, blooming the first season if sown early.

595 **CHALCEDONICA.** (Burning Star.) Bright scarlet flowers shaped like Maltese cross. Of fine color and thrifty growth; very effective in the perennial border. 2 feet.

Pkt. 10 cts. **Marigold**

Favorite annual plant, blooming the entire summer; easily cultivated. The African varieties bear large yellow or orange flowers and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Hardy annual. 1 to 3 feet.

600 **AFRICAN ELDORADO.** Flowers very large, extremely double, of various shades of yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.

601 **LEMON BALL.** The largest of all Marigolds, nearly ball-shaped pure lemon yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

602 **ORANGE PRINCE.** Large, rich orange. Pkt. 10 cts.

603 **AFRICAN DOUBLE MIXED.** All shades of the African type. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts.

606 **FRENCH DWARF DOUBLE, GOLD STRIPED.** Deep brown-red, striped yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

607 **FRENCH DOUBLE MIXED.** Shades of yellow and brown. 2 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

608 **LEGION OF HONOR.** Single flower; golden yellow, with a large spot of crimson. Pkt. 10 cts.

Mathiola Bicornis—(Night Scented Stock)

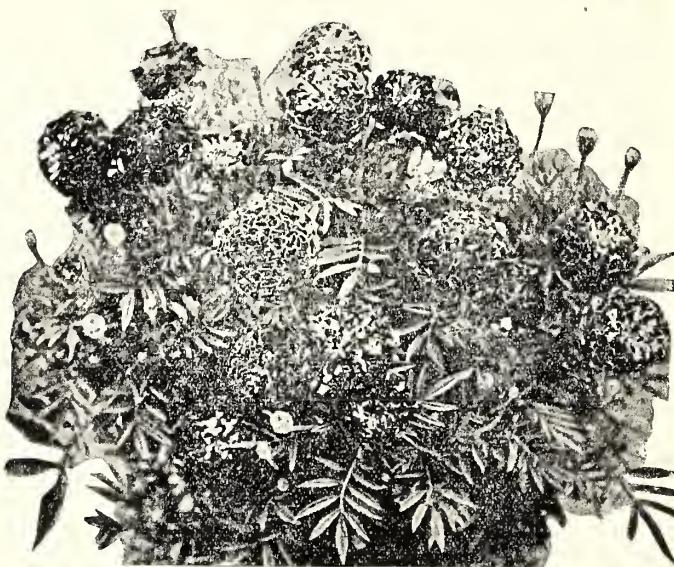
610 A hardy annual with purplish red flowers, giving forth a delightful fragrance—especially toward evening. 1 foot. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Matricaria

Free-flowering annuals useful for groups, borders or pot culture. Fine for cut flowers. $1\frac{1}{2}$ feet.

611 **DOUBLE WHITE.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

612 **DOUBLE YELLOW.** Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.



Marigold, Gold Striped

Mignonette (Reseda Odorata)

A well-known and popular hardy annual, prized for its delightful fragrance. Seeds sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.

614 **GOLDEN MACDET.** Long massive spikes, with fragrant golden-yellow flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

615 **GRANDIFLORA.** Improved, large-flowered. Sweet Mignonette. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

616 **DEFIANCE.** Large spikes and extra-large individual florets. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., oz. 75 cts.

617 **GIANT PYRAMIDAL.** (Crimson Giant.) Of branching growth; large, of reddish cast. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

618 **GOLDEN QUEEN.** Golden yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

619 **MACHET.** Large thick spikes of reddish cast, of dwarf habit, dark foliage. One of the best for pots. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.

620 **PARSON'S WHITE.** Nearly white. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

621 **VICTORIA.** Of deep reddish cast. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

622 **GOLLATH.** Of strong yet compact habit, with rich green foliage, the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of color; especially suited for house culture. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

625 **MIXED VARIETIES.** The above and other varieties. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Mimulus

Showy, free-flowering plants of easy culture. Half-hardy perennials, blooming the first season by July, if started early in the house, and continually until October. Thrives best in moist soil and somewhat shaded location. 1 foot.

630 **TIGRINUS.** (Monkey Flower.) Handsome flowers with white, sulphur or yellow ground, spotted with crimson, scarlet or pink. Pkt. 10 cts.

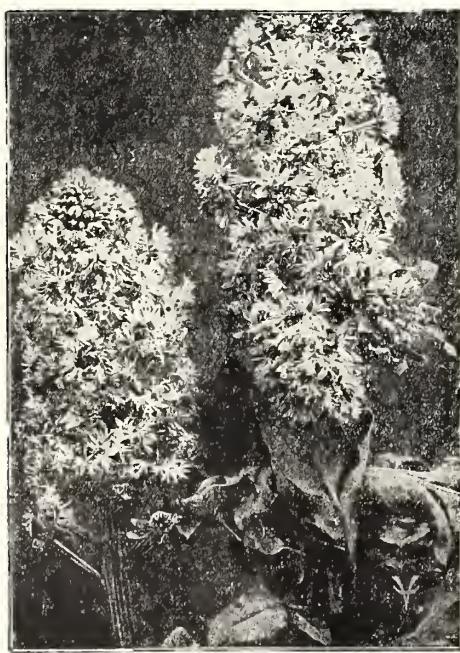
631 **MOSCHATUS.** (Musk Plant.) Small yellow flowers, musk-scented foliage, of trailing habit; excellent for hanging baskets. Pkt. 10 cts.

Moonflower—(Ipomoea)

635 **GRANDIFLORA ALBA.** (Ipomoea noctiflora.) A

very rapid-growing variety of Ipomoea, reaching the height of 30 feet. Large white flowers, open in the evening and on cloudy days. Germination is greatly assisted if the hard shell of the seed is cut. Plant about 1 inch deep, in moist soil, in a box or seed-pan and set in a warm place. If soil is kept moist, the seed will germinate in about two weeks. Set out the young plants as soon as all danger of frost is past, selecting a warm, sunny location. Pkt. 10 cts.

635B **PINK HYBRID MOONFLOWER.** In color, exquisite soft-lilac-pink. Of much easier cultivation than the preceding. Seeds germinate freely and plant commences to bloom profusely nearly as soon as the Morning Glory. Vines are of most rapid growth and will cover as much or more space than any other Moonflower, having enormous leaves. Blooms very profusely and will succeed wherever the Morning Glory will. Pkt. 10 cts.



Mignonette



Marigold, Eldorado

EVERYBODY KNOWS Ross' Seed Grows

Morning Glory

(*Convolvulus Major*)

A well-known vine of easiest culture. Hardy annual. 10 feet.

636 **MIXED COLORS.** Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

637 **JAPANESE GIANT MORNING GLORY.** The flowers of this strain are much larger than those of the common type, the range of colorings much greater, while the foliage is greatly varied and very attractive. The colors range from deepest purple through all shades of blue and red to pure white, in a great variety of beautiful blendings and markings. The vine is not so hardy nor so vigorous in its growth as the common type. Germination is assisted by soaking the seed in water for twenty-four hours before sowing. Tender annual. 8 feet. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

MOURNING BRIDE. See *Scabiosa*.

MUSK PLANT. See *Mimulus*.

MORNING GLORY, DWARF. See *Convolvulus minor*.

Nasturtium

No other annual plant combines in so great a degree ease of culture, profusion of bloom and grace and beauty of flowers as the Nasturtium. Also, it thrives on all soils except that which is very wet and succeeds on soil so poor that many other plants would fail to grow at all.

Tall Nasturtium

(*Tropaeolum majus*)

644 **SCARLET.** Rosy scarlet.

646 **DUNNETT'S ORANGE.** Bright orange, blotched red.

648 **EDWARD OTTO.** Brownish lilac.

654 **HEMISPERICUM.** Straw-colored blotched rose.

656 **KING THEODORE.** Deep crimson-maroon; dark foliage.

658 **LUTEUM.** Clear light yellow.

662 **PEARL.** Very pale yellow, nearest approach to white.

671 **VESUVIUS.** Salmon rose, dark leaved.

Each of the preceding varieties, pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., $\frac{1}{4}$ lb. 60 cts.

672 **CHOICE MIXED.** Many varieties; a wide range of colors.

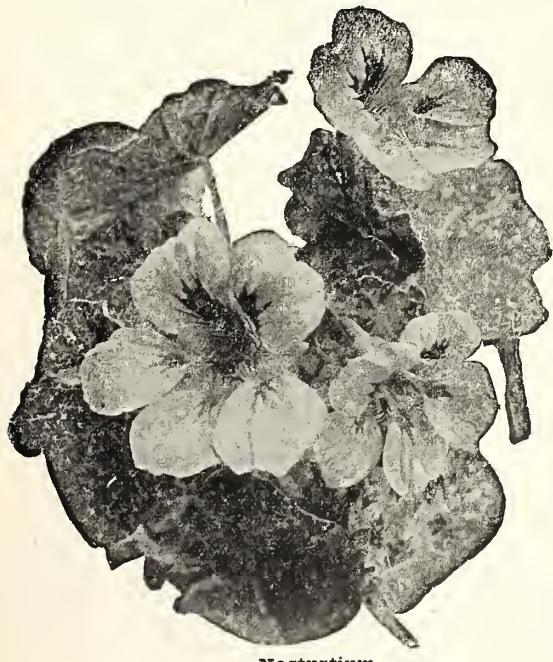
Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb.

\$1.40. See also, Worcester Mixed Tall Nasturtiums.

GIANT-FLOWERED, TALL NASTURTIUMS MIXED

673 A choice selection of the largest flowered varieties and seedlings. Especially desirable for exhibition. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., 2 ozs. 40 cts., $\frac{1}{4}$ lb. 65 cts.

Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves. This adds to their value for planting over many unsightly places.



Nasturtium



Nasturtium

Lobb's Tall Nasturtium

(*Tropaeolum Lobbianum*)

While both flowers and foliage are slightly smaller than those of the preceding common Nasturtium, this class is preferred by many because of the greater profusion of bloom and its more brilliant coloring.

675 **ASA GRAY.** Light yellow, almost white.

679 **BRILLIANT.** Dazzling scarlet.

681 **FIREFLY.** Deep orange, spotted red.

685 **GOLDEN QUEEN.** Clear, golden yellow.

687 **QUEEN OF THE BLACKS.** Deep, rich maroon. Dark foliage.

689 **LUCIFER.** Deep scarlet. Dark foliage.

700 **LOBBIANUM.** Choicest mixed. A mixture of all varieties of this desirable class. Pkt. 10 cts., oz. 20 cts., 2 ozs. 30 cts., $\frac{1}{4}$ lb. 50 cts.

Worcester Tall Mixed

705 **WORCESTER MIXED TALL NASTURTIUMS.** Our own mixture of many varieties; comprises selections from all classes, including the New Variegated-Leaved or Queen, and choice mixture from different growers. Of the greatest possible diversity of colors and types, but well-balanced, including larger proportions of the most desirable varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., 1 lb. \$1.75.

NASTURTIUM

(Continued)

Dwarf, or Tom Thumb Nasturtiums

While the flowers, not having as long stems, are perhaps not quite as desirable for cutting as those of the Tall Nasturtium, the Dwarf Nasturtium is not surpassed by any other annual plant for bedding, being of the easiest culture, thriving in nearly all soils and blooming profusely the entire season.

Except where otherwise noted, all of the following varieties at uniform prices. **Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., 1/4 lb. 60 cts.**

712 **BEAUTY.** Orange with scarlet markings.
 714 **BRONZE-COLORED.** A very distinct and peculiar shade.
 718 **CLOTH OF GOLD.** Brilliant scarlet, foliage golden yellow.
 722 **CRYSTAL PALACE GEM.** Rich, sulphur-yellow, spotted carmine.
 724 **EMPEROR OF INDIA.** Dark scarlet, foliage distinct dark purplish green.
 726 **GOLDEN KING.** Rich golden yellow.
 730 **KING THEODORE.** Dark maroon; dark foliage.
 732 **KING OF TOM THUMBS.** Rich scarlet, dark foliage.
 736 **PEARL.** Light cream, nearly white.
 742 **RUBY KING.** Ruby-red, dark leaved.
 744 **VESUVIUS.** Rich salmon-pink.
 746 **CHOICE MIXED.** While not equal to the Worcester Mixed, of wide range of colors and will give pleasing results. **Pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., 1/4 lb. 40 cts., lb. \$1.40.**

Worcester Mixed Dwarf Nasturtium

747 Like the Worcester Tall Mixed, this is of our own preparation and cannot be surpassed in diversity of colors and types; includes all the named varieties and classes here described and other choice mixtures of noted growers. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

749 **VARIEGATED LEAVED, or QUEEN OF TOM THUMBS, MIXED.** A mixture of all the varieties yet named and several unnamed seedlings of this new, distinct and charming type. Of various distinct colors; shades—light primrose, deep scarlet, crimson and deep orange more or less veined or spotted with other colors. **Pkt. 10 cts., 1/2 oz. 15 cts., oz. 25 cts.**

Nemesia

A very valuable introduction—long blooming annual with large flowers, varying from creamy white to deep orange and carmine. Most useful for bedding. 1 1/2 feet.

756 **STRUMOSA SUTTONI.** **Pkt. 15 cts.**

Nemophila

(Love Grove)

An attractive hardy annual, bearing cup-shaped flowers about an inch in diameter, usually in shades of blue and white, often spotted with brown. Succeeds in cool, shaded places, in light but rather moist loam. 6 inches.

757 **MIXED.** **Pkt. 10 cts., 1/4 oz. 20 cts.**

Nicotiana

(Flowering Tobacco)

Handsome, effective, half-hardy annuals, blooming profusely the entire season and thriving in all soils. Seed may be sown early in the house or in the open ground as soon as the soil is warm.

758 **AFFINIS.** White, star-like flowers, deliciously fragrant, expands fully in the evening. 2 to 3 feet. **Pkt. 10 cts.**

759 **SANDERAE.** Rose-carmine; remarkably profuse in bloom. Unlike the Affinis, is in full bloom during the day. 3 to 3 1/2 feet. **Pkt. 10 cts.**

760 **SANDERAE HYBRIDS.** New Hybrids, comprising several distinct colors or shades. **Pkt. 10 cts.**

Nigella

(Love-in-a-Mist; Lady-in-Green; Devil-in-a-Bush)

A favorite hardy annual of the easiest culture. The blue or white flowers are half hidden in the abundant finely cut foliage, hence its common names. 1 to 1 1/2 feet.

761 **Blue and White. Mixed.** **Pkt. 10 cts., 1/4 oz. 20 cts.**

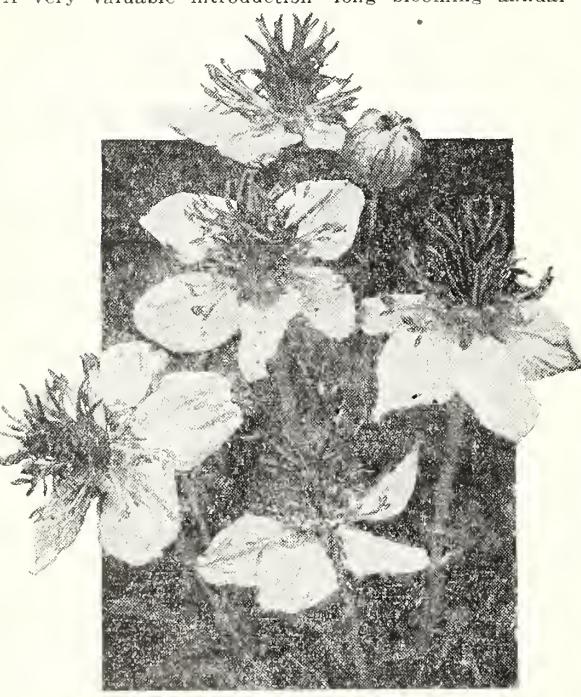
Ornamental Grasses

764 **AGROSTIS NEBULOSA.** An airy and graceful annual grass, grows 18 inches high and looks like a line of mist when in bloom. Beautiful to mix with cut flowers. **Pkt. 10 cts.**

765 **COIX LACHRYMA.** (Job's Tears.) 9 feet. Large, broad leaves, large shiny seed. Hardy annual. **Pkt. 10 cts.**

767 **FENNISETUM LONGISTYLOM.** Graceful drooping heads. Excellent for bouquets. 2 feet. Hardy annual. **Pkt. 10 cts.**

768 **FENNISETUM RUPELIANUM.** Foliage long and slender, the silvery plumes tinged with violet. 3 feet. Hardy annual. **Pkt. 10 cts.**



Nigella



Nicotiana Sanderae

Photo reproduced of plant, showing its bushy habit and great production of flowers.



EVERYBODY KNOWS Ross' Seed Grows Pansies



Pansies are too well known to require any description, as they are favorites with all. For best results you must start with a good strain. The finest Pansies are, as a rule, shy seeders, which accounts for the difference in the price of the various mixtures offered.

Sow Pansy seed in August or September, in fresh, moist soil, cover lightly and press seeds in with a board. Keep the bed moist by watering, and if the weather is hot and dry by mulching with straw or by shading with cloth. The seeds will germinate in about two weeks, when the straw or cloth should be removed. In from four to six weeks, transplant to a slightly raised bed, setting the plants about 3 inches apart each way. Protect during winter with straw or leaves, and transplant to desired location early in the spring. Seed may be sown in the open ground in the spring as soon as soil can be fitted.

Gentlemen:

We have been using your Ross' Selected Giant Pansy seed exclusively for the past twelve years and they have produced the finest pansies both in color, freedom of bloom, and strength of growth in this section.

Our pansy beds are noted all over the eastern part of Massachusetts and people come from miles around to see them in April and May.

We can cheerfully recommend them to any who desire the best. They are well named "Ross' Selected Giants."

Very truly yours,
Newton Cemetery Corp., H. Wilson Ross, Supt. and Treas.

770 BUGNOT'S SUPERB BLOTTCHED. Rare shades of red, bronze or brown. Pkt. 25 cts., $\frac{1}{8}$ oz. 80 cts., $\frac{1}{4}$ oz. \$1.40, oz. \$5.

771 CASSIE'S GIANT BLOTTCHED. A very carefully selected strain of five blotted varieties remarkable for the enormous size of the flowers and the many rare combinations of shades and colors. Pkt. 25 cts., $\frac{1}{8}$ oz. 80 cts., $\frac{1}{4}$ oz. \$1.40, oz. \$5.

774 TRIMARDEAU PARISIAN, LARGE-STRAINED. A beautiful improved strain mostly white ground and five blotted varieties. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.00.

776 MADAME PERRET. (*Phenomena*) A strain, distinctly beautiful pink, blotted or veined with rose, crimson, or purple, the upper petals either self-colored with rich wine-red or deep purple, or with a margin of white. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.00.

778 MASTERPIECE. Buffed Pansies. A strain having ruffled and curled petals, giving the flowers the appearance of being double. Colors rich and striking. Pkt. 20 cts., $\frac{1}{8}$ oz. 70 cts., $\frac{1}{4}$ oz. \$1.25.

779 WORCESTER GIANT MIXED. Our own selections of choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts, and several choice strains from different growers. Wonderful colors, shades and markings representing nearly every type of Pansy. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.00.

780 ROSS' SELECTED GIANT MIXED. This is one of the finest strains known, the flowers being of perfect form and richest colors. A Giant Pansy, excellent for growing in the frame or out of doors. See testimonial above. Pkt. 50 cts., 1/16 oz. \$1.00, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.25, oz. \$12.00.



Pansy

782 LARGE FLOWERED MIXED. Our own mixture of varieties. The range of colorings is excellent, and the mixture will be found very satisfactory. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 90 cts.

783 ENGLISH PRIZE MIXED. Includes many with face-like markings of various shades. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

785 CHOICE MIXED. A mixture of many varieties. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

786 GIANT ADONIS. Splendid light blue, with white center and dark blotches. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

792 GOLDEN QUEEN. Pure yellow. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

794 INDIGO-BLUE. New rich shade. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

796 KING OF THE BLACKS. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

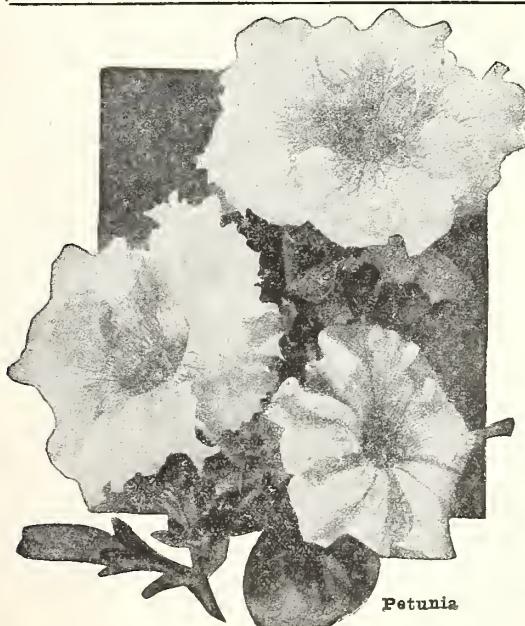
800 LORD BEACONFIELD. Violet, shading to white at the top. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

804 PEACOCK. Rich blue and purple, edged with white; very striking. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

806 RUBY KING. Superb reddish shades. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

808 SNOWFLAKE. Pure white. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

811 YELLOW. With large, black eye. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.



Petunia

Petunia

The Petunia is easily grown, and, blooming profusely all summer, is very popular for bedding. It thrives best in a warm sunny location. Sow seed thinly where plants are to remain, in beds for transplanting, or, for early blooming, in the house in boxes. Almost invariably the weaker plants produce the finer flowers, especially of the choice strains.

814 FINEST MIXED. A superior mixture. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.50.

815 STEEPED AND BLOTTCHED MIXED. A choice strain. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

816 HOWARD'S STAR. Rich shade of maroon, with five-pointed star of white. Very pretty. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

817 DWARF INIMITABLE MIXED COLORS. Dwarf, bushy plants, flowers mostly beautiful striped and blotted. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

818 BOSSY MORN. A single flower, color soft carmine pink. A profuse bloomer. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

824 GIANTS OF CALIFORNIA. A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed. Of almost every conceivable shade; veined, striped or blotted with some contrasting shade. Plant of vigorous growth and blooms profusely. Pkt. 25 cts.

825 DOUBLE, LARGE-FLOWERED, CHOICE MIXED. An excellent mixture comprising a large variety of colors, with a good percentage of double flowers. Pkt. 50 cts.

826 BALCONY BLUE. Dwarf type for porch or window boxes. Pkt. 20 cts., 1/16 oz. 50 cts.

827 BALCONY ROSE. Pkt. 20 cts., 1/16 oz. 50 cts.



ROSS BROS. CO.

Seeds and Implements



Phlox Drummondii

Seed may be sown in the open ground early in the spring either where the plants are desired to bloom, or in beds and the young plants set in the desired location when 2 or 3 inches high. The tall sorts should stand about 12 inches apart, the dwarf about 6 inches. The plants will be more bushy and cover the ground better if pinched off while small.

830 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts.

LARGE-FLOWERING. (Phlox Drummondii grandiflora.) A great improvement on the common type, both heads and florets being nearly twice as large.

831 **Extra-Choice, Mixed Colors.** Our own mixture of the choicest and best strains from different growers. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.00.

833 **ISABELLINA.** Pure yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

DWARF. (P. Drummondii nana compacta.) The plants of this class, growing only 6 to 8 inches high, are considered by many, very desirable for bedding.

841 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

STAR, or FRINGED. (P. Drummondii Cuspidata.) A distinct class with petals partly fringed, partly toothed, and some longer than others and regularly placed, give the flowers a star-like shape.

843 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

DOUBLE. Double and semi-double flowers. A very desirable class for cutting.

845 **Mixed Colors.** Pkt. 10 cts.

Hardy Perennial Phlox

Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. The seed we offer has been saved from the best varieties and is supplied in mixture only.

847 **Choicest Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts.

Platycodon

(Chinese Bellflower)

855 **GRANDIFLORUM.** One of the best hardy perennials, and one of the easiest grown, its propagation being more easily accomplished by seed than by division of the root. It forms clumps and is well adapted to the hardy border. Blooms from July to September. The flowers are large steel-blue, rather more open than bell-shaped, 2 to 2½ feet. Pkt. 10 cts.



Shirley Poppy



Hardy Phlox

Polemonium

857 **COERULEUM.** A hardy perennial, very popular in olden times. Easily grown from seed, preferably sown in the fall. Large heads of showy blue flowers from May to August. 2 feet. Pkt. 10 cts.

Poppy

Well-known hardy plants of quick growth, blooming profusely for a considerable time, thriving best on light, sandy loam. Seed of the annual varieties should be sown as early in the spring as possible and where desired to bloom as they do much better when they start to grow in cool weather and are very difficult to transplant. The seed is fine and should be only slightly covered.

SINGLE ANNUAL POPPIES

860 **ADMIRAL.** Large, single, peony-flowered variety, glistening white, with broad band of brilliant scarlet at the top. Pkt. 10 cts.

862 **DANEBROG, or DANISH CROSS.** Brilliant scarlet with white spots at base of each petal. Pkt. 10 cts.

870 **SHIRLEY.** A lovely strain, comprising many delicate and rich shades, ranging from pure white through pink, rose, scarlet and red to the deepest crimson, the darker shades often having a margin of white. Many of the flowers have crimped or wavy petals, all are of fine silky texture, but of good substance, and not surpassed by any for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

871 **TRUE FLANDERS.** The scarlet Poppy of the fields of Flanders, made famous in the great war, and familiar to all the members of the A. E. F. who served in Belgium and France. Adopted by the American Legion for their emblem. They do not attain as large a size as a well grown Shirley Poppy, but apart from the sentiment now attached to them, they are a decided acquisition. They flower the first season from spring-grown seed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

DOUBLE ANNUAL POPPIES

878 **CARNATION-FLOWERED.** Mixed. Fine, large, fringed flowers of many colors, a popular class. Pkt. 10 cts., oz. 30 cts.

880 **CARDINAL.** Very large, pure cardinal-red; deeply cut, dark green foliage; very attractive. Pkt. 10 cts.

884 **PEONY-FLOWERED.** Mixed. Large, globular flowers, resembling a peony. Pkt. 10 cts., oz. 30 cts.

886 **SNOWDRIFT, or DOUBLE WHITE FRINGED.** Flowers from 3 to 4 inches across; very double and finely fringed. Pure white. Pkt. 10 cts.

888 **WORCESTER MIXED.** Our own mixture of single and double annual varieties. All types and colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

EVERYBODY KNOWS Ross' Seed Grows

Hardy Perennial Poppies

ICELAND POPPIES. Though hardy perennials, generally treated as annuals, blooming the first year, if seed is sown early. Of graceful habit, with fern-like foliage. They bloom profusely and, if no seed-pods are allowed to form, until October.

890 White and Shades of Yellow and Orange. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

ORIENTAL POPPIES. Extremely desirable for hardy perennial border; gorgeous blooms. Easily grown from seed sown either in late fall or early spring. They bloom the second spring from sowing, and though their season is short—about three weeks in June—they make a very effective display.

892 **ORIENTALE.** Deep crimson flowers, with blotch of black on each petal. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

893 **NEW ORIENTAL HYBRIDS.** Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. Pkt. 10 cts.

CALIFORNIA POPPY. See Eschscholtzia.

Portulaca

Well known tender annuals, blooming profusely all summer. Thrive in most soils and locations but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. Form a dazzling display when sown in masses.

894 **DOUBLE CHOICE MIXED.** Usually from fifty to sixty per cent of the flowers will come double. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{2}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1.15, oz. \$1.90.

895 **SINGLE SCARLET.** 896 Rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

899 **SINGLE MIXED.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Primula

(Primrose)

PRIMULA SINENSIS (Chinese Primrose). A beautiful winter-blossom greenhouse perennial and one of the most pleasing for the home, blooming from December to spring. While its culture is not easy, it is by no means impossible for the amateur to raise fine thrifty plants from seed. For early winter blooming seed should be sown the first week in April. Two sowings are advisable, but the second should not be later than the middle of May. Sow in well-drained shallow pans or boxes, using finely sifted loam, leaf mold and sand in equal parts. Cover lightly and water carefully, but well. Keep moist and in shade, and in a temperature of about 60 degrees. In summer keep in a cool, shady location, in winter in a north window in a temperature of 45 degrees.

900 **CHOICEST MIXED.** Comprises the finest fringed varieties. Pkt. 35 cts.

PRIMULA stellata, or Star Primrose. This valuable and very distinct variety should be extensively grown for greenhouse and table decoration. The innumerable star-shaped flowers make an effective contrast to the attractive dark foliage.

902 **MIXED COLORS.** Pkt. 35 cts.

Hardy Primroses

Although known as a hardy perennial, these require in this climate some protection. They may be placed in a cold frame, or if protected with leaves covered by a box, they will live through our severest winters. They are among the best of the early-blooming plants.

ELATIOR (Polyanthus). Excellent for either pot or outdoor. Colors mostly shades of yellow, and red and yellow.

903 **CHOICEST MIXED.** Pkt. 10 cts., $\frac{1}{4}$ oz. 85 cts.

904 **VULGARIS.** True, yellow English Primrose; canary yellow; fragrant. Pkt. 10 cts.

Pyrethrum

Well known hardy herbaceous perennials of easy culture.

910 **AUREUM** (Golden Feather). Golden foliage; small, white flowers. Cultivated for its foliage alone and usually treated as an annual. 1 foot. Pkt. 10 cts.

913 **ROSEUM HYBRIDUM.** Blooms freely from June to September, bearing large-flowering, daisy-like flowers ranging from light pink to deep red, with bright yellow center; excellent for cutting. Pkt. 10 cts.

ROSE CHAMPION. See *Agrostemma Coronaria*.

ROSE OF HEAVEN. See *Agrostemma Coeli*.

RICINUS. See Castor Bean.

RESEDA. See Mignonette.

Rodanthe

One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade, they will retain their color for years. Tender annual. 1 foot.

920 **MIXED COLORS.** All shades of pink, rose, crimson and white. Pkt. 10 cts.

Rocket—(Sweet)

(*Hesperis Matronalis*)

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. 1½ feet.

921 **MIXED.** Pkt. 10 cts.

Rudbeckia

(Cone Flower)

To this family belong the favorite plant, Golden Glow, and the well-known wild flowers, Blackeyed Susan, or Yellow Ox-eye Daisy. Both the annual and the perennials are of the easiest culture and grow in nearly all soils and situations, thriving alike in partial shade or fully exposed to the sun.

923 **BICOLOR SUPERBA.** Free-blooming annual of dense, bushy growth, bearing on long stems, large, bright yellow flowers with velvety brown spots at base of petals, and disc or cone of brown. Excellent for cutting. 2 feet. Pkt. 10 cts.

925 **NEUMANNI.** Large golden yellow flowers, with maroon cone. Very showy; blooms for a long time. One of the best hardy perennials. 2 feet. Pkt. 15 cts.

926 **PURPUREA** (*Echinacea*; Giant Purple Cone-Flower). Large flowers, about 4 inches in diameter; reddish purple, with large cone of brown. Hardy perennial. 3 feet. Pkt. 15 cts.

Salpiglossis

(Velvet Flower; Painted Tongue)

Graceful, half-hardy annual, bearing from August to October, richly colored, funnel-shaped flowers, ranging from deepest purple to almost black and blue through various shades of red, brown and yellow to creamy white, usually marbled or veined with several contrasting colors. These are borne on long, slender stems, and are excellent cutting, keeping well in water. Seed may be sown in the house the last of March or in the open ground in May. The plant succeeds best in deep, rich, rather light loam of medium mixture. 2 feet.

928 **GRANDIFLORA.** Choicest mixed. Extra large flowered strain. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

929 **EMPEROR.** Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Salvia—(Scarlet Sage)

A mass of bloom from late summer until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors, or in hot bed and the plants set out when the weather has become warm.

935 **SPLENDENS GRANDIFLORA.** The well-known Scarlet Sage. 3 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

936 **BONFIRE** (Clara Bedman). Compact bushy growth, blooms earlier and more profusely. Intense scarlet. 2 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

937 **FARINACEA.** A perennial variety, but best grown as an annual. Seed sown in the open ground in May, blooming from July to frost. The fine light blue flowers are borne on long spikes held above the foliage. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

938 **ZURICH.** One of the best of recent introductions; dwarf compact habit producing long, thick spikes of brilliant scarlet flowers blooming in July. Pkt. 20 cts.



Salvia



ROSS BROS. CO.

Seeds and Implements



Scabiosa—(Mourning Bride)

The flowers are large and double with a great variety of colors. Of easy culture and blooms freely from July until hard frost. Hardy annual, 2½ feet.

945 **LARGE-FLOWERED. Mixed Colors.** Fine, large, double flowers in a wide range of colors. **Pkt. 10 cts., ¼ oz. 20 cts.**

947 **CAUCASICA.** Flowers large, pale lilac, about 3 inches in diameter, in bloom all summer. **Pkt. 10 cts., ⅛ oz. 40 cts.**

SCARLET RUNNER. See Beans—Ornamental varieties.

Schizanthus—(Butterfly, or Fringe Flower)

Beautiful, dainty, half-hardy annual. Seed may be sown in the open ground or in the house, and the plants set in the garden in May. Should be planted in a sheltered place or the plants tied to stakes, as the stems are very brittle and easily broken by strong winds. An excellent house-plant. 1 to 1½ feet.

948 **GRANDIFLORUS HYBRIDUS.** Very fine varieties. **Pkt. 10 cts.**

949 **WISSETONENSIS.** Containing the most beautiful shades of white, pink, rose and crimson. Excellent for pot culture. **Pkt. 25 cts.**

Sensitive Plant—(Mimosa Pudica)

950 **PUDICA.** Globular heads of small pink flowers. Grown chiefly for the peculiar habit of the plant, the leaves closing and drooping at the slightest touch. Tender annual. 1½ feet. **Pkt. 10 cts.**

Silene—(Catchfly)

Profuse flowering plants of easy culture. Seed of the annual sorts may be sown in the open ground early in spring or in the fall if early bloom is desired.

951 **ARMERIA. Mixed** (Common Catchfly.) Annual; blooms from July to September. White, pink and red. 1½ feet. **Pkt. 10 cts.**

953 **PENDULA COMPACTA.** Single and Double. Mixed colors. White, rose and red. Annual. Largely used for edgings. May to August. 6 inches. **Pkt. 10 cts.**

Smilax

955 **SMILAX.** A climbing plant, unsurpassed for its graceful foliage and orange-blossom fragrance of its flowers. Makes a fine pot or basket plant. Elegant for table decoration when cut. **Pkt. 10 cts.**

SNAPDRAGON. See *Antirrhinum*.

SOLANUM CAPSICASTRUM. See *Jerusalem Cherry*.

Statice

Beautiful everlasting with spreading panicles of tubelike flowers that are decorative either in the garden or when cut. Their most effective use, however, is in bouquets for Winter, either alone or with other dried flowers. It is surprising how well these novel flowers retain their splendid colors. Sow outside in May after danger from frost. Hardy annual.

956 **Suworowii Pink.** **Pkt. 10 cts., ¼ oz. 35 cts.**

956A **Sinuata Blue.** **Pkt. 10 cts., ¼ oz. 25 cts.**

956B **BONUELLE YELLOW.** **Pkt. 10 cts., ¼ oz. 25 cts.**

Stock—(Gilliflower)

One of the most popular annuals, remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers. Plants from seed sown inside in March or April commence to bloom in July and those from seed sown in the open ground in about ten weeks and continue until frost. Plants grown in rich soil and well cared for, produce 80 to 90 per cent of double flowers.

957 **BEAUTY OF NICE.** Mammoth flowering. Delicate flesh pink extra large spike. **Pkt. 10 cts., ⅛ oz. 50 cts.**

958 **MONTE BLANC.** Purest white. **Pkt. 10 cts.**

959 **MONTE CARLO.** Canary yellow. **Pkt. 10 cts.**

961 **SUMMER NIGHT.** Rich deep blue. **Pkt. 10 cts.**

DRESDEN PERPETUAL, or BRANCHING. (Cut-and-Come-Again.) A perpetual blooming class of branching habit; double, fragrant flowers. 2 feet.

967 **CHOICEST MIXED.** **Pkt. 10 cts., 1/16 oz. 25 cts., ⅛ oz. 40 cts.**

LARGE-FLOWERED DOUBLE TEN WEEKS. A very choice strain, producing a very large per cent of double flowers. Fine for bedding. 1½ to 2 feet.

970 **CHOICEST MIXED.** **Pkt. 10 cts., 1/16 oz. 25 cts., ⅛ oz. 40 cts.**

971 **DOUBLE TEN WEEKS. Mixed Colors.** Seeds grown in the open ground instead of in pots, therefore cheaper. A good range of colors. 1½ feet. **Pkt. 10 cts., ⅛ oz. 25 cts., ¼ oz. 40 cts.**

Stockesia Cyanea—(Cornflower Aster)

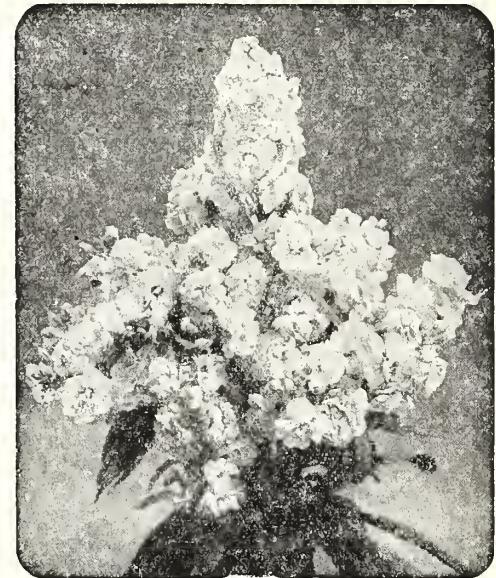
973 **BLUE.** A beautiful, hardy perennial, growing about 2 feet high and bearing from August to hard frost, beautiful centaurea-like lavender-blue flowers among the best for cutting. **Pkt. 10 cts.**

974 **MIXED.** Containing many new colors. **Pkt. 10 cts.**

Sunflower Helianthus

The Sunflower grows well in all soils if fully exposed to the sun. The taller varieties make excellent background to other plants.

975 **CUCUMERIFOLIUS.** (Miniature Sunflower.) Small single flower, rich yellow. 4 ft. **Pkt. 10 cts., ½ oz. 20 cts.**



Stock

976 **GLOBOSUS FISTULOSUS** (Globe or Dahlia Sunflower). Flowers large, double, of a rich saffron color. 6 feet. **Pkt. 10 cts., ⅛ oz. 25 cts.**

977 **RED SUNFLOWER.** The new Red Sunflower is easily grown from seed the same as all of the *Helianthus* family, and usually thrive in any sunny location with ordinary garden soil. Colors are not truly fixed and may produce some yellow blooms, but the larger proportion are of a fine red, tipped yellow. **Pkt. 15 cts., ¼ oz. 30 cts.**

980 **NEW MINIATURE VARIETIES.** Many new varieties of the miniature type, of various shades of yellow and creamy white. Some are large, some have twisted petals and some black centers. **Pkt. 10 cts., ¼ oz. 25 cts.**

981 **PERKEO.** A distinct dwarf variety of the Miniature and growing only a foot high and blooming from the last of June until hard frost; is especially valuable for bedding. **Pkt. 10 cts.**

984 **DOUBLE CHERYSANTHEMUM - FLOWERED.** Flowers larger than the preceding; full and double. Orange-yellow. 5 feet. **Pkt. 10 cts., ½ oz. 35 cts.**

986 **RUSSIAN MAMMOTH.** Very large. 7 to 9 feet. **Oz. pkt. 10 cts.**

SWEET SULTAN. See *Centaurea*. Page 49.

SWEET PEAS

Grandiflora or Standard Varieties

Sweet Peas succeed best when planted very early in the spring. The soil should be at least of medium fertility and well prepared. Sow thickly in drills about 5 inches deep, but cover with but 2 inches of soil, filling the drill when plants are a few inches high. Seed may be sown in either single or double rows, the latter being preferable because more economical of space, and requiring only half as much material for support of the vines. For this purpose poultry netting is often used, but brush is better. The season of blooming will be prolonged if all flowers are cut and seed-pods not allowed to form.

All of the following varieties at uniform price. **Pkt. 10 cts., 20 cts., 2 ozs. 35 cts., ¼ lb. 65 cts.**

995 **AMERICA.** White, striped and splashed with carmine.

1015 **BLACK KNIGHT.** Glossy, deep maroon; large, open form.

1025 **BLANCHE FERRY.** The popular pink and white.

1045 **DOROTHY ECKFORD.** The largest pure white of this class.

1080 **FLORA NORTON.** Almost true sky-blue.

1100 **JANET SCOTT.** Clear deep but bright pink. Large size, hooded form. The wings stand upright and are curled, giving the flower an unusual but rather attractive appearance.

1125 **KING EDWARD VII.** Crimson-scarlet, large; the best of this color.

1135 **LADY GRISSEL HAMILTON.** Soft lavender, tinted with mauve in standard.

1150 **LOORD NELSON.** The best dark blue. Distinct and a vigorous grower.

EVERYBODY KNOWS

Ross' Seed Grows

The Spencer-Waved or Giant Orchid-Flowered SWEET PEAS

Spencer Sweet Peas grown under the right condition should produce robust plants attaining a height of from 5 to 8 feet and for full development should not be less than six inches apart.

There are hundreds of the Orchid-flowered varieties of Sweet Peas, many of which are almost identical in color or some characteristic which all first class sorts should have. Our list contains only those varieties which we have found to be worthy of the growers' best attention and are selected because of some special merit.

All at uniform price except where noted. **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1.00, postpaid.**

APPLE BLOSSOM SPENCER. Bright rose standard with wings of very light primrose flushed or tinted rose-carmine. Very large Spencer form.

ASTA OHN. Large flowers, waved and fluted in the standard with very large wavy wings, lavender, suffused or tinted with mauve; superior to any other lavender.

AUSTIN FREDERICK IMPROVED. A very large and long-stemmed rosy lavender. A vigorous grower and producer. A wealth of fine blossoms.

avalanche. A white seeded white. This grand white is outstanding because of the thick texture of the petals and the purity of the color.

BARBARA. An excellent sort for exhibition or table decoration; a large salmon-orange and much superior to Earl Spencer, as it retains its original color.

BLANCHE FERRY SPENCER. Closely resembles the variety of the older type. Large, well waved and crinkled.

BLUE PICOTEE. Almost pure white except for a narrow edging of violet blue on the standard and wings. Flowers large and of fine form.

CONSTANCE HINTON. A beautiful white Spencer of enormous size. Young flowers usually tinted a trifle pink, but they soon turn pure white.

CRIMSON KING. The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat. Absolutely no distinguishing difference between the color of standard and wings. The flowers are of precisely the same distinct color from bud to "passing off" stage. Entirely free from sunburn and wind scald at all times. The strong, straight stems, sixteen to eighteen inches long, stand out well from the foliage and invariably carry more four fine blooms than three. The flowers or blooms are perfectly placed on strong, stiff stems and are seemingly always properly spaced.

COUNTESS SPENCER. The original of this type. Soft rose-pink, deepening somewhat at the edges.

DAINTY SPENCER. White ground with beautiful picotee edge of rose pink.

DOBBIE'S CREAM. Rich primrose, perfect form, waved edge, usually four flowers on a stem.

DOBBIE'S SUNPROOF CRIMSON. Flowers are large and of fine Spencer form. A vigorous grower and a good variety for exhibition.

DORA. A beautiful large waved flower of great substance. The color is soft pink with white wings.

ELFRIDA PEARSON. The flowers are of extra large size, great substance and lasting quality when cut. They are nicely disposed on extremely long, stiff stems, invariably borne in fours. The vines bloom in wonderful profusion and are of such vigorous growth that the flowers frequently come with double standards. The color is lovely pink throughout, the buds and flowers being tinted with salmon pink.

ETTA DYKE. A superior strain of "White Spencer," larger, whiter, and better frilled.

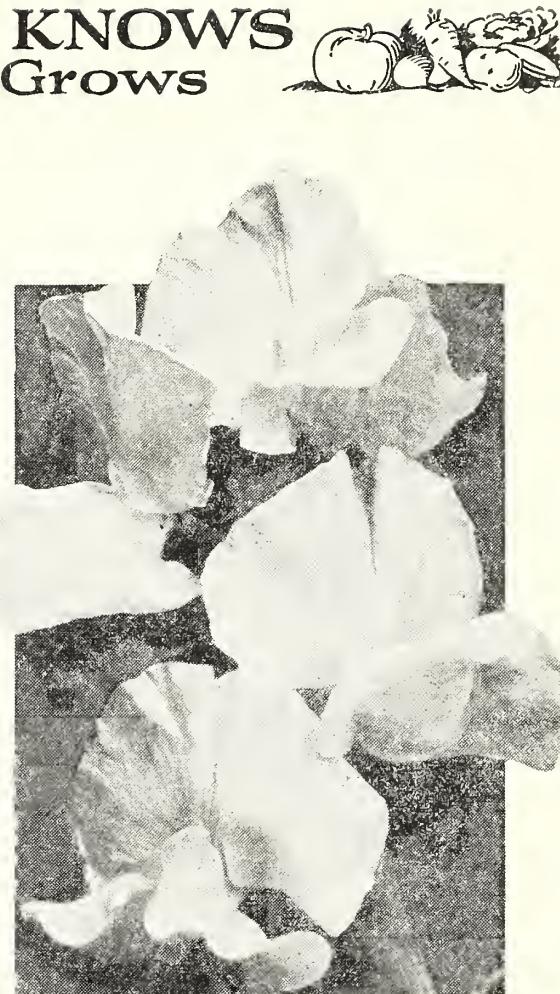
FIERY CROSS. This sensational novelty was exhibited in 1916 and was received with great favor by the experts, and is now offered to the public as one of the leaders. The flowers are of good size and beautifully waved, but its greatest merit is its color, a brilliant fiery-scarlet, and its well-deserved name is truly descriptive.

FLORA NORTON SPENCER. Bright blue, with a little deeper tint of purple than the original Flora Norton. Large, both standard and wings are wavy.

FLORENCE NIGHTINGALE. Best soft lavender.

HAWLMARK PINK. Quite distinct from any other pink variety, the general effect being rose-pink suffused with salmon, undoubtedly the most beautiful pink Sweet Pea.

HERCULES. A magnificent soft rose-pink. The standard frequently measures two and one-half inches in diameter.



Austin Frederick Improved

KING EDWARD SPENCER. Rich crimson-scarlet, large and of fine form; the best of this color.

KING WHITE. The grandest of all white Sweet Peas, and of the most up-to-date Spencer form. It is much the largest white Spencer—the buds are of exceptional size before opening, even the seed pods are unusually large. The stems are long and stout, and bear practically always four blossoms. King White created a sensation wherever shown.

MARGARET ATLEE. The largest and finest Sweet Peas yet introduced. It is a rosy salmon-pink on a creamy buff ground; a rich soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large, wavy and frequently double. The wings are also large, wavy, well set. There are usually four blossoms to a stem; well poised and graceful.

MISS CALIFORNIA. Salmon pink.

MRS. TOM JONES. Deep amethyst blue, very fine form, the best of the deep blues.

OTHELLO SPENCER. Of immense size with large drooping wings and large wavy standard; rich maroon, very dark.

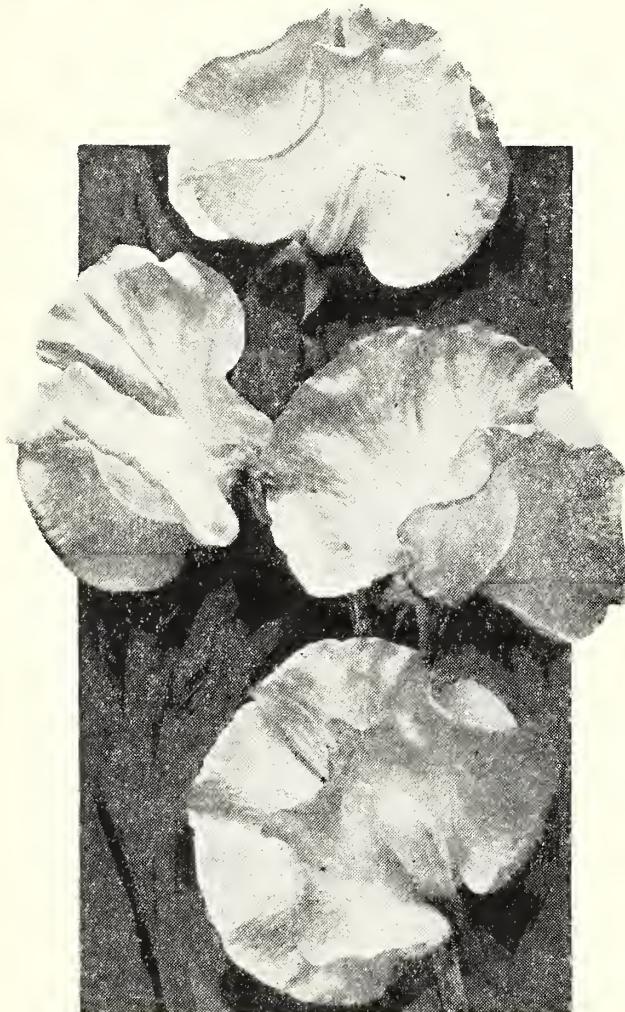
PRINCE OF ORANGE. Like all orange colored varieties, requires shading, but this extra labor is amply repaid by the brilliant, rich color. Prince of Orange is the deepest and richest orange colored Sweet Pea we have ever seen. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts., 1/4 lb. \$2.50.**

Do you receive our fall catalogue for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book send us your name and address and we will gladly put you on our mailing list for our next fall catalogue.



ROSS BROS. CO.

Seeds and Implements



Pinkie

Sweet Pea Mixtures

Spencer Varieties and Seedlings Mixture

This is a superb mixture of Spencer or Giant Waved varieties. It contains not only the named kinds, but many of the unnamed seedlings. It must be remembered that the Spencer sorts do not come as true as the old standard kinds, but a very large percentage will be of the Spencer type with a waved flower. This is the very best mixture that you can buy and it is well worth the difference in price. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.50.**

Our Best Mixed

1295 This mixture we make up ourselves of the choicest large flowered varieties, including the best of the standard varieties, all of the varieties of the New Giant and Orchid-Flowered, both of the Spencer and Unwin types and many of the unnamed Spencers. This mixture comprises all shades, but is blended in carefully studied proportions and is the most desirable and popular mixture which can be produced. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 50 cts., 1 lb. \$1.75.**

Inoculate This Seed with Mulford Culture—See Page 8

Spencer Sweet Peas

CONTINUED

PINKIE is by comparison the largest of all we have ever seen in the Deep Pink section of accepted, preferred varieties. A most vigorous grower, producing on long stout stems well waved, nicely placed flowers of a beautiful rose pink shade. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts., 1/4 lb. \$2.50.**

SUNKIST is a large rose picotee, edged on cream ground, giving a very beautiful effect, especially when used for table decorations. The large, bold flowers are well waved and borne on good, stout stems. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts., 1/4 lb. \$2.50.**

ROYAL PURPLE. A new shade in Sweet Peas, a rich purple and almost a true royal purple. The same shade effect does not exist in the grandiflora type.

WARRIOR. Deep chocolate, almost black, unequalled for mixing with other shades for bouquets and table decorations. The darkest Sweet Pea introduced.

WEDGEWOOD. This is a unique shade of lovely light blue and completely eclipses the Flora Norton Spencer. The flowers are well waved in both standard and wings and are borne almost uniformly in sprays of four upon long, stout, stems. Wedgewood is a color long sought for in Sweet Peas and has been eagerly welcomed by lovers of this beautiful annual.

WHITE SPENCER. Pure white. Of the largest size, has beautifully poised wings and the standard is erect and wavy. Stems often 12 inches long.

YOUTH. The color is an exquisite pink picotee edge on a pure white ground and a combination that cannot fail to excite enthusiasm on the part of all growers.

Price of the above except where noted: **Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1.00.**

Early Flowering Spencers

EARLY GIANT ROSE. Largest of all rose-pink. **Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1.00.**

EARLY HARMONY. This is the outstanding lavender in early flowering sweet peas because of the vigor of growth and the wealth of blossoms produced. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts.**

EARLY SUPERIOR PINK. It is a beautiful shade of rose-pink slightly shaded with salmon of perfect form and beautifully waved. **Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1.00.**

EARLY SILVER BLUE. This is a light blue lavender and is very popular because the light blue lavender shade harmonizes with all pink shades. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts.**

EARLY SNOW WHITE. It is popular on account of the purity of the whiteness of the petals and the length of the stems. **Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1.00.**

EARLY VULCAN. It is a very vivid scarlet. The flower is not affected by the bright sunshine, in fact the brighter the sun, the more intense the color. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts.**

YARRAWA. A Sweet Pea novelty of sterling merit, coming from Australia. The flowers are waved, of large size, many of them being double. Color, a soft, bright rose pink with a creamy base. One of the best for forcing under glass, and when grown out of doors blooms two weeks earlier than the Summer Spencers. **Pkt. 15 cts., 1/2 oz. 40 cts., oz. 75 cts.**

Choice Mixed

1296 Also prepared by us; a well-blended mixture comprising many of the large-flowering varieties of the older type, and Eckford's Large-Flowering Hybrids in great variety. The mixture will compare favorably with those generally offered at a higher price, and is surpassed only by mixtures which, like our Best Mixed, contain the new orchid-flowering varieties. **Oz. 10 cts., 1/4 lb. 35 cts., 1 lb. \$1.15.**

EVERYBODY KNOWS Ross' Seed Grows

Sweet William

(*Dianthus barbatus*)

A splendid hardy biennial with large trusses of sweet and scented flowers produced in abundance. Seed should be sown at any time from early spring to the last of August, the late sown generally making as good plants as the early, and blooming to the full extent the following summer. 1½ feet.

1320 SINGLE MIXED COLORS. Pkt. 10 cts., ¼ oz. 15 cts.

1322 HOLBORN GLORY. A new strain of the auricular-eyed section; both the head and individual flowers are of the largest size and each of the latter shows a clear white eye of an exceedingly wide range of colors. Pkt. 10 cts., ⅓ oz. 35 cts.

1308 DOUBLE LARGEST-FLOWERED. Choicest mixed. A greatly improved strain. Pkt. 10 cts., ¼ oz. 25 cts.

1309 SCARLET BEAUTY. A very effective rich, deep, scarlet variety. Pkt. 10 cts.

1310 EVERBLOOMING HYBRID (*Dianthus latifolius atro-coccineus* fl. pl.) A variety which blooms the first season from seed. Color, intense crimson-scarlet; a really fine, hardy plant of very easy culture. Pkt. 10 cts.

Thunbergia

1315 MIXED. An annual vine, growing about 4 feet high, bearing medium-sized flowers, white, buff or orange, with dark eye. Largely used in hanging baskets or window boxes. Pkt. 10 cts.

Tritoma

1317 TRITOMA (Red-Hot Poker Plant, or Flame Flower). H. P. Magnificent, large spikes of orange-red flowers, attaining a height of 4 feet; effective in single clumps or among shrubbery. Pkt. 10 cts.

Verbena

Favorite annuals, thriving in nearly all soils. Useful for beds, borders, carpeting ground and vases. Plants from seed sown in open ground in May will begin to bloom in August, and those sown inside in March will bloom from June until frost.

1320 MIXED COLORS. A good strain, all colors of old type. Pkt. 10 cts., ¼ oz. 25 cts.

1321 MAMMOTH MIXED COLORS. Comprises the best large flowering sorts of many colors. Pkt. 10 cts., ½ oz. 40 cts.

1322 SCARLET DEFIANCE. Large trusses of deep, rich scarlet. Pkt. 10 cts.

1323 MAMMOTH WHITE. Truss and flowers large, fragrant. Pkt. 10 cts.

1324 ITALIAN STRIPED. Large trusses of medium-sized flowers, each distinctly striped. Pkt. 10 cts.

1325 "BURBANK'S GIANT MAYFLOWER." A selected strain from Luther Burbank, having a powerful fragrance like that of the Trailing Arbutus. The flowers are of the largest size and most beautiful colors. Pkt. 15 cts., 2 pkts. 25 cts.

1326 LEMON. An old favorite with delightfully scented foliage. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter. Pkt. 10 cts.

Veronica

1330 One of the prettiest of the spring flowering herbaceous plants, bearing pretty blue flowers on long spikes. Valuable both for the garden and for cut flowers. They should be in every garden. Hardy perennial. Pkt. 10 cts.

Viola Cornuta

(Tufted Pansies)

Flowers are not so large as the Pansy proper, but is very desirable, as it blooms profusely and is more quickly and easily grown. Seed sown in April will produce blooming plants in June that will be covered with flowers for a long time, and, if planted in cool, moist soil, partly shaded, nearly all summer. Hardy perennial.

1335 MIXED TUFTED PANSIES. Finest mixture of all colors. Pkt. 10 cts., ¼ oz. 35 cts. 60 cts.

Wallflower

Half-hardy perennial. A universal favorite in England. Though a fine bedding plant, is not well known in America. It is more often grown as a pot plant and for this purpose is well adapted. The flowers are very often fragrant and usually of various shades of yellow, brown and reddish brown. Seed may be sown in the open ground in the spring when warm and, if given about 12 inches of room will make strong, stocky plants for winter bloom.

1340 SINGLE. Mixed colors. Pkt. 10 cts.

1341 DOUBLE BRANCHING. Mixed colors. Pkt. 10 cts.

1342 PARIS EXTRA-EARLY. A new single-flowered strain, blooming throughout the season, from spring-sown seed. Colors, light brown, brownish red, yellow and creamy-white. Mixed. Pkt. 10 cts., ¼ oz. 20 cts.

Wild Cucumber Vine

1346 WILD (*Echinocystis lobata*). One of the most rapid-growing of all annual climbers and blooms early in the season and continuously until fall. Of the easiest culture, growing wild in the West from self-sown seed. One of the most desirable annual climbers for quick covering any unsightly object, growing 30 feet, covered with small white, fragrant flowers, followed by an abundance of prickly but ornamental seed-pods, it at all times presents a striking and effective appearance. Seed may be sown either in the fall or spring. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.



Mammoth Zinnia

Zinnia

(Youth and Old Age)

The most gorgeous annuals with a wonderful range of color. Beautiful old rose, dainty cream, striking red and brilliant yellow flowers of velvety texture, extremely double with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. The Mammoth varieties produce such enormous blooms they appear as greenhouse Chrysanthemums that have mistaken their time and place of flowering. If you want but one annual, plant this. The plants may be taken up when in full bloom and transplanted without any visible effect.

1350 MIXED COLORS. An improved strain, comprising all colors and many large flowers. 2 feet. Pkt. 10 cts., ¼ oz. 20 cts., oz. 60 cts.

Mammoth Flowered Zinnia

These grand annuals are of the Giant or Mammoth flowering type and are in every way superior to the old-fashioned "Youth and Old Age."

The plants grow from 2½ to 3 feet high and are covered with myriads of densely double flowers, measuring from 4 to 6 inches in diameter. Giant Zinnias are one of the best plants for beds, borders and cutting.

1351 MAMMOTH CRIMSON. 1352 Mammoth White. 1353 Mammoth Scarlet. 1354 Mammoth Yellow. 1355 Burnt Orange. 1356 Deep Salmon Rose. Each, pkt. 10 cts., ¼ oz. 25 cts.

1358 MAMMOTH. Mixed colors. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

1360 CURLLED AND CRESTED. A pleasing variation from the regular type, the petals being twisted, curled and crested. All colors. 2½ feet. Pkt. 10 cts., ¼ oz. 25 cts.

1362 ZEBRA. Striped flowers, the colors varying on each plant. Pkt. 10 cts., ¼ oz. 25 cts.

1363 LILLIPUT (Pompon). Small, double flowers of many colors. Very profuse. 1½ feet. Pkt. 10 cts., ¼ oz. 25 cts.

1364 HAAGEANNA fl. pl. (Mexican Zinnia). A distinct type with small, pretty double and semi-double flowers which would hardly be recognized as Zinnias by those unfamiliar with the type. Of dwarf and slender growth, the plant is excellent for bedding, while the deep orange flowers are good for cutting. Pkt. 10 cts.

Gentlemen:—My shipment of seeds arrived in first class condition and are fine specimens of their respective kinds.

I wish to thank you for the prompt attention and careful packing you gave my order and will say that I know where to go for first-class goods and attention. Yours truly,

EDWARD T. FORD.



ROSS BROS. CO.

Seeds and Implements



Zinnia New Giant Dahlia Flowered

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong vigorous habit, from $2\frac{1}{2}$ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and $2\frac{1}{2}$ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other. This new variety is also valuable for growing under glass for cutting.

1366 BUTTERCUP. An immense deep creamy yellow. A very desirable flower, which should be included in every collection.

1368 CRIMSON MONARCH. By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

1370 DREAM. A fine, deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias.

1372 EXQUISITE. By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. (Tyrian Rose.)

1374 ORIOLE. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

1376 OLD ROSE. This is adequately described by its name, as it is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.

1378 POLAR BEAR. A very large pure white, the best white yet seen in Zinnias. True Dahlia form. **Each of the above, pkt. 25 cts., 6 pks. \$1.00.**

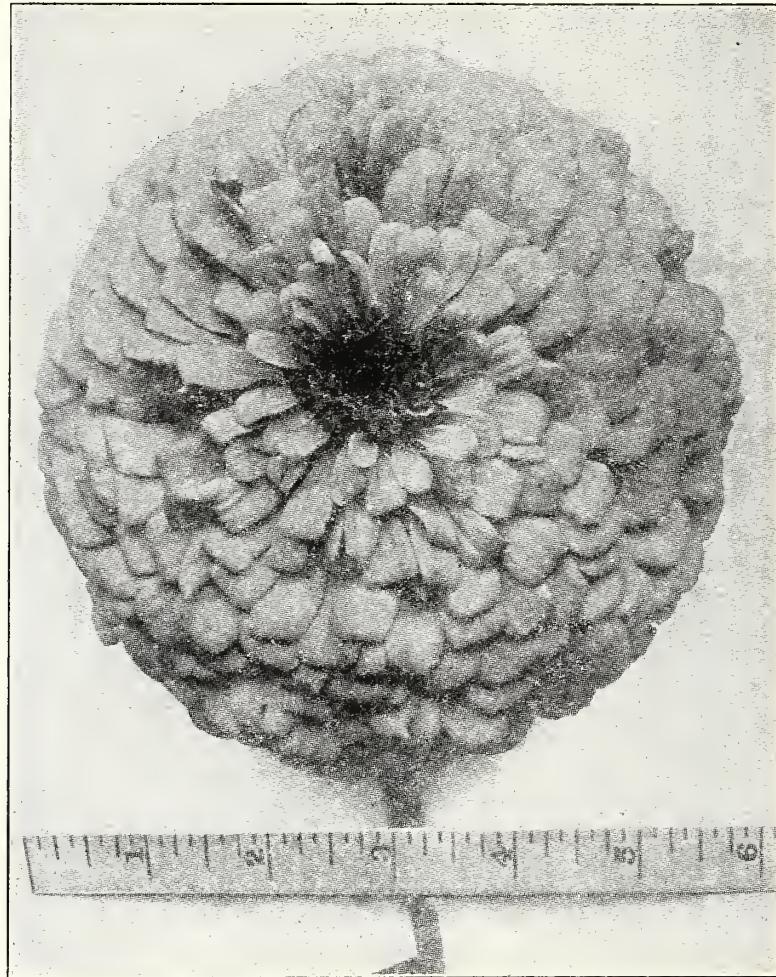
1380 SPECIAL MIXTURE. A well blended mixture containing all the above novelties. **Pkt. 25 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 70 cts.**

1386 WILD FLOWER GARDEN MIXTURE

A mixture of many free-blooming annuals which, once sown, require little care, and, sown in this way, almost none. In fact, with the exceptions of thinning out some plants where they grow too thickly and removing an occasional weed, the bed often looks better let alone, is more in keeping with its name, and more like some lovely spots where wild plants grow. The possibilities of this mixture are great, the different seasons of blooming insuring constant succession of flowers from early in the season until hard frost, and in the height of bloom, some new flower nearly every day. It affords a very easy and cheap way to quickly fill large areas of any unsightly place, and the results will surprise those who never saw a wild-flower garden; not only will the bed be attractive, but also will furnish many good flowers for cutting. To insure the greatest possible variety, the bed should be quite large. **Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. 80 cts.**

Cinnamon Vine

A beautiful hardy climber of extremely rapid growth, growing the first season from 15 to 30 feet and, when the root becomes fully established, to a much greater length. The



leaves are green, with tinge of bronze, and are very attractive. The flowers are white, borne in clusters, and of no great beauty, but of a delightful cinnamon-like fragrance. The vine dies at the end of the season, but the root is hardy, living for years and increasing in size and vigor each season. **Postpaid, extra-large roots, each 10 cts., 3 for 25 cts., doz. 90 cts.**

Madeira Vine

A rapid-growing climber with beautiful, thick, glossy wax-like leaves and bearing profusely in graceful feathery racemes white flowers which have a fragrance resembling mignonette. Plant when ground becomes warm. Store tubers in a cold, dry place during winter. **Postpaid, each 10 cts., doz. 90 cts.**

Tuberose

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

EXCELSIOR DWARF PEARL. Improved strain; plant of dwarf habit, blooms earlier and flowers are more double than old strain. **Extra large bulbs, postpaid, 15 cts. each, 4 for 50 cts., doz. \$1.40.**

THE WORCESTER "DOLLAR" COLLECTION OF ANNUAL FLOWERS

Owing to the popularity of this collection during 1928, we are again offering this collection of 15 pkts. postpaid for \$1.00. **Each the best in its class. With one of these collections you can have flowers all Summer.**

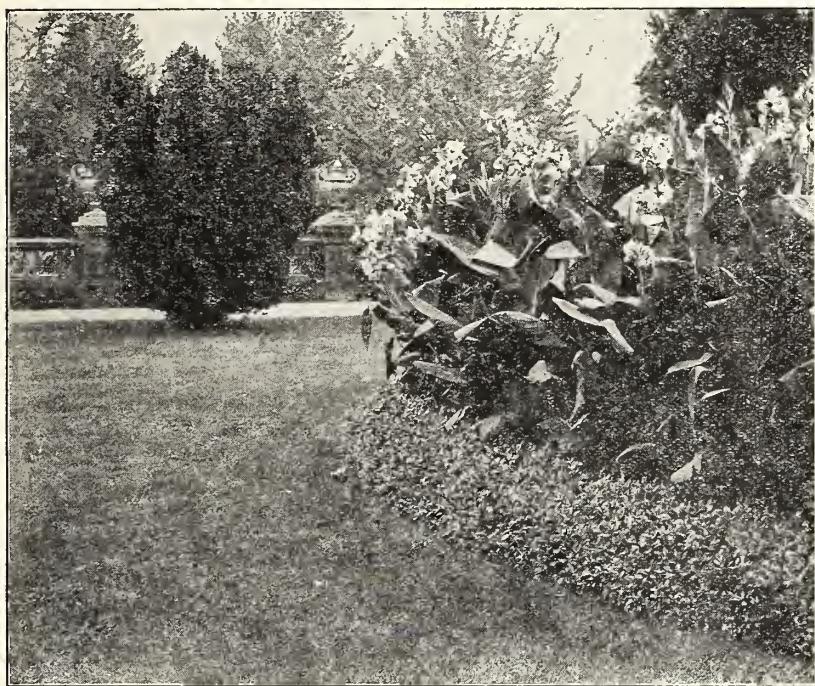
Alyssum—Little Dorrit
Aster—Worcester Mixed
Balsam—Choice Mixed
Calendula—Choice Mixed
Candytuft—Mixed Colors

Four O'clock—Mixed Colors
Marigold—Double Mixed
Mignonette—Grandiflora Mixed
Nasturtium—Dwarf Mixed
Petunia—Finest Mixed

Phlox—Finest Mixed
Pansy—Worcester Mixed
Sweet Peas—Spencer Mixed
Scabiosa—Mixed
Zinnia—Mammoth Mixed Colors

The above collection will be sent postpaid to any address for \$1.00.

EVERYBODY KNOWS Ross' Seed Grows



Best Quality Cannas

Dormant roots of the varieties listed below until May 1st only.

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. Plant 18 inches apart each way.

APRICOT. This recent introduction brings us a new shade of red and a most gorgeous flower. The blossoms are very large and of a clear, velvety shade of deep cerise. The foliage is a pure deep green of pleasing appearance and the flowers come in succession on good stems from four to five feet tall. One must see this magnificent canna to appreciate it. **Each 20 cts., 3 for 50 cts., doz. \$1.75.**

KING HUMBERT. Truly a king among the cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad, deep bronze foliage. It grows 4 feet high and is splendid as a center, edge with a dwarf yellow canna. **Each 20 cts., 3 for 50 cts., doz. \$1.75.**

LOUISIANA. Strong, vigorous grower; attains a height of 7 feet; producing a dense mass of glossy green foliage and large, vivid scarlet flowers. **Each 15 cts., 3 for 40 cts., doz. \$1.50.**

SHENANDOAH. This is a dwarf bronze foliage, pink of merit. The blossoms open a light carmine pink and later develop a light salmon tint which is spread evenly over the whole flower. It grows from three to four feet. **Each 15 cts., 3 for 40 cts., doz. \$1.50.**

THE PRESIDENT. Height 4 feet. In color, a rich, glowing scarlet and the immense, firm rounded flowers, 7 inches across when open, are produced on strong, erect stalks well above the large, rich green foliage. **Each 20 cts., 3 for 50 cts., doz. \$1.75.**

WYOMING. Might be called King of the Giants, for it is one of the most majestic, with the double attraction of having a luxuriant growth of rich purple foliage. Above this are borne great plumes of massive orange-colored blossoms, true orchid-shaped with large rounded petals. **Each 15 cts., 3 for 40 cts., doz. \$1.50.**

WINTZERS COLOSSAL. 5 feet. Green foliage. A striking, vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses. **Each 15 cts., 3 for 40 cts., doz. \$1.50.**

YELLOW KING HUMBERT. A sport of that most popular of all Cannas, King Humbert, producing larger flowers of a beautiful shade of yellow, lightly spotted red, with green foliage, five and six clusters of flowers at a time. **Each 20 cts., 3 for 50 cts., doz. \$1.75.**

JAPANESE LILIES'

AURATUM (Golden Banded Lily.) Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant. **Each 35 cts., doz. \$3.50.**

SPECIOSUM ALBUM. The best late flowering, pure white, hardy garden lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms. **Each 35 cts., doz. \$3.50.**

SPECIOSUM RUBRUM OR ROSEUM. Delicate pink, almost white, spotted red; one of the old garden favorites; height, 3 feet; flowers in August and September. **Each 50 cts., doz. \$5.00.**



REGALE LILY (Lilium Myriophyllum)

It is pure, waxy white, with a lemon yellow throat and a trumpet about 6 inches long, and when the flower is fully developed it is about 7 inches across. It has a wonderfully delightful perfume, somewhat resembling the variety *Lilium Auratum*. If you want the best of the hardy family, plant some of this variety. 2-2½ in. diameter. **Each 45 cts., doz. \$4.50.** Smaller size flowering bulbs. **Each 35 cts., doz. \$3.50.**

STRAWBERRY PLANTS

All Strawberry plants are growing when your order is received. We do not handle cold storage plants. All orders will be sent direct from the nurseries in Massachusetts whenever possible and the plants should reach our customers in fresh condition.

Because of excessive wet weather the past season not as many plants were produced but these are exceptionally good plants and should come through the winter in fine condition.

While it is not our custom to substitute we feel that in the event of our being sold out of any variety, it would be to the advantage of our patrons to allow us this privilege. We cannot supply potted plants. Varieties marked Imp. are imperfect and must be planted with some perfect variety marked Per.

BUBACH (IMP.) A large but very uniform berry of good color, one of the best.

SAMPLE (IMP.) One of the best market berries in cultivation. Fruit of fine color and flavor.

SENATOR DUNLAP (PER.) A dark red berry, good size, excellent flavor.

HOWARD 17 (PER.) One of the best early berries, bright red color, large size, very productive and firm.

FINEST QUALITY (PER.) Fine quality, dark green foliage, yields well, very uniform in shape and color.

(Postpaid, 100 \$2.00, 500 \$8.00, 1,000 by express not prepaid \$13.50.)

Everbearing Varieties

PEERLESS. An excellent berry for home use, of large size and beautiful, glossy appearance. Will yield good crop both in spring and fall.

SUPERB. Fruit is large and firm, good shape and color. A fine home variety. Postpaid, 100 \$2.50, 500 \$10.00.





ROSS BROS. CO.

Seeds and Implements



GLADIOLUS

All Gladiolus postpaid at prices quoted

NOTE—The bulbs which we offer are all first size and should bloom one hundred percent. We would like to hear from you regarding your success.

Gladioli are the most popular of all the summer flowering bulbs and rightfully so, they have so many excellent qualities and uses.

In diversity, beauty and magnificence, no other flower which can be so easily grown and with which success is so nearly certain, can at all times compare with the Gladiolus. The range of colorings and markings is practically unlimited and especially since the introduction of the thousands of new seedlings may the claim be made that the varieties are numberless. As a cut flower for vases, within the scope of the amateur no other flowers equal the Gladiolus in striking and effective appearance, and, in lasting quality, but few, if any, compare. If the spikes are cut when only the lower flowers are open they will last for a week, the upper buds opening when kept in fresh water as well or better than when left to open outdoors.

CULTURE—Plant in full exposure to the sun. A light, moist soil one year from sod is the most desirable, but the Gladiolus thrives well in nearly all soils, the exception being a stiff, clayey one. While soil should be well enriched, avoid using fresh manure; use only that which is well rotted. Much the better way is to use land that was well manured the previous year, using none at the time of planting, but giving afterward one or two applications of commercial fertilizer. If possible, avoid planting in the same place for three years.

If space is limited, bulbs may be planted in double rows, four inches between the rows and two inches apart in the row; they are, however, more generally planted in single rows about one foot apart, two, three or four inches deep, according to size. The first planting may be made by the middle of April and successive ones till the first of June, but for the late planting, bulbs should be reserved.

AMERICA. One of the finest Gladiolus known. The plant is of vigorous growth, with luxuriant foliage and producing spikes two to three feet long. The flowers are very large and of an exquisite shade of soft flesh-pink. **Each 5 cts., doz. 40 cts., 100 \$3.00.**

ANNA EBELIUS. Wherever shown this dark velvety purple which shades into a deep Bordeaux center has created a sensation, and will undoubtedly hold a leading place among all the darker colors of this popular type of flowers so extensively grown for cutting. Very effective when used in bouquets with the yellow varieties. **Each 15 cts., doz. \$1.25, 100 \$8.00.**

BARON HULOT, or BLUE KING. A really fine blue Gladiolus, in color a rich royal violet blue; very effective when cut and used in conjunction with Sulphur King or other yellow variety. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

CRIMSON GLOW. A striking shade of a brilliant crimson, one of the most effective. **Each 15 cts., doz. \$1.35, 100 \$9.00.**

EVELYN KETTLAND. A splendid variety with large flowers of wonderful substance. Rosy pink at the edges passing to shell pink in the throat, with fiery scarlet blotches on lower petals. **Each 15 cts., doz. \$1.25, 100 \$7.50.**

EMPERESS OF INDIA. Rich, velvety maroon with white blotch in the throat; the darkest Gladiolus. A very handsome flower. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

FLORA. Beautiful golden yellow, large pure flowers. **Each 10 cts., doz. \$1.35, 100 \$9.00.**

GLORY OF HOLLAND. Very fine white, tinted rose. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

GOLDEN MEASURE. Very large, dark golden yellow; the best in the yellows. **Each 20 cts., doz. \$2.25, 100 \$15.00.**

GRETCHEN ZANG. Large, heavy blooms; a beautiful, soft shade of pink, blending into scarlet on lower petals. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

HERADA. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

HALLEY. Delicate salmon-pink predominates, with a slight rosy tinge, lower petals have a creamy blotch with a bright red stripe in center. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

IDA VAN. A beautiful deep salmon red, or flaming orange pink. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

LE MARSHAL FUCH. Flower is of immense size, well opened and beautifully ruffled. The color is a warm salmon pink, flaked and striped deeper salmon towards the edges of petals. It is a most unusual and striking flower, and is universally admired. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

LOUISE. The showiest of all Gladioli; wherever shown, meets with favor; distinct in form; clear, pure lavender; a blotch of velvet red towards center; resembles the orchid color; the flowers have been used as a substitute for orchids by leading florists; this is one variety that differs from all others; big flowers; free grower; this variety is in a class by itself. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

MARY PICKFORD. Delicate creamy white. **Each 15 cts., doz. \$1.25, 100 \$8.00.**

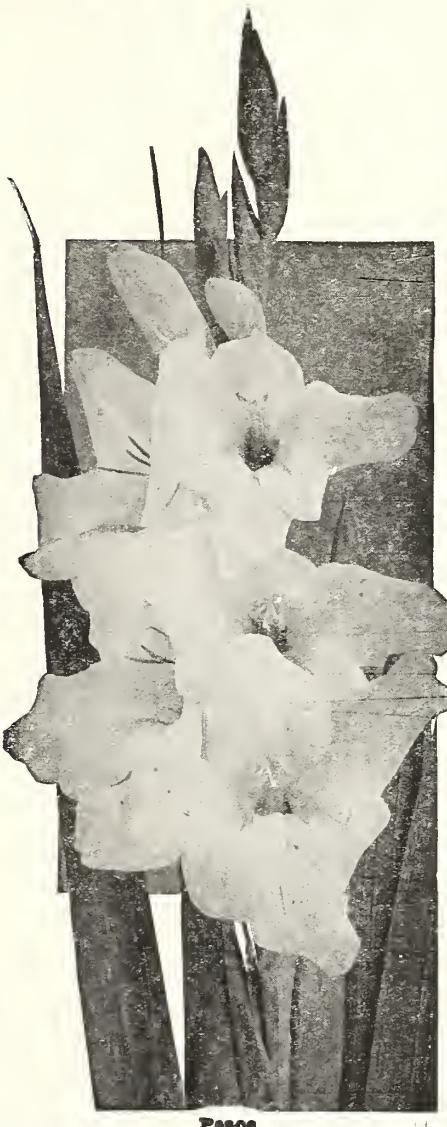
MARY FENNEL. Beautiful deep lavender flowers on tall slender spikes; lower petals penciled with primrose-yellow. **Each 15 cts., doz. \$1.25, 100 \$8.00.**





EVERYBODY KNOWS

Ross' Seed Grows



Peace

SULPHUR KING. A long spike of clear sulphur yellow flowers. The best yellow in Gladiolus. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

WAE. Deep blood red, shaded crimson. One of the largest and finest of the red Gladioli. **Each 10 cts., doz. \$1.35, 100 \$9.00.**

WILBEINK. Sport of Halley. It retains the earliness of that variety, but has a delicate pale pink color, somewhat similar to "America." **Each 10 cts., doz. 80 cts., 100 \$5.00.**

YELLOW HAMMER. Pure yellow with a little red mark in the throat. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

Our Worcester Mixture—From Named Varieties

A mixture of our own preparation comprising many named varieties, selections from all classes, unsurpassed in diversity of both colors and types and in quality of flowers. Includes a good proportion of white and light shades and well balanced generally in proportion of colors. We consider this mixture the best value we offer. **Doz. 65 cts., 100 \$4.50.**

OUR CHOICE MIXTURE. We are making this just as good as we can for the price. It does not contain all the varieties which are included in the Worcester mixture, but it has been our purpose to make this better each year, and we know that this season it will be the best mixture that can be purchased for the price. **Doz. 40 cts., 100 \$3.00.**

GLADIOLUS—Continued

All Gladiolus sent postpaid at prices quoted

MRS. MARK. Light blue with darker spot. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

MRS. FRANCIS KING. A new variety which excited great comment and admiration, both for size of flower and beauty; the color of the flower is light scarlet; the flowers are very large, usually measuring from $3\frac{1}{2}$ to 4 inches in diameter. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

MRS. FRANK PENDLETON. Large open flowers of light pink with dark red blotch at throat. Flowers well set on exceedingly tall spike. A very attractive and strong growing kind. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

MRS. WATT. Brilliant wine, having no markings of other shades, closely resembling a Hadley Rose. Flowers are well placed on a very stout stalk with many open at one time. Midseason to late. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

MYRTLE. Tender and delicate rose pink. One of the most beautiful pink varieties yet introduced. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

NIAGARA. A shade of rich cream combined with canary yellow; the individual flowers are very large and are borne in pairs, one opposite the other. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

1910 ROSE. Pure rose pink of extra fine shade. Narrow white central line on lower petals. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

ORANGE GLORY (Kunderdi Glory type.) Grand orange colored with beautiful lighter throat. Very rich and striking color. Beautiful and distinct. **Each 15 cts., doz. \$1.35, 100 \$9.00.**

PANAMA. (Seedling of America.) Long spike, color deeper pink than America, admired by all who have seen it in flower. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

PEACE. Fine large white with wine pencilings on lower petals. Very good, strong and healthy. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

PRIDE OF GOSHEN (K.) One of Kundred's giant ruffled Gladiolus; color salmon or flesh pink; petals elegantly waved. **Each 10 cts., doz. \$1.35, 100 \$9.00.**

PRINCE OF WALES. Beautifully shaded apricot, with brush-marks of orange on a yellow-tinted throat. Perfect in form, large in size, with a good stem, and one of the first to bloom. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

RED EMPEROR. Very large flower of bright scarlet color. A choice red. **Each 20 cts., doz. \$2.25, 100 \$15.00.**

ROSE ASH. A grand novelty named Rose Ash by reason of its distinctive combination of old rose tones and ashes of roses. **Each 15 cts., doz. \$1.50, 100 \$10.00.**

SCARLANO. Light, bright orange-red. Fine spike and flower, finely ruffled. **Each 10 cts., doz. \$1.00, 100 \$7.50.**

SCARLET PRINCEPS. Large spike of massive crimson-scarlet flowers, 5 to 6 open at one time. **Each 10 cts., doz. \$1.35, 100 \$9.00.**

SCHWABEN. Canary yellow shading to sulphur; stripes of carmine on lower petals. Blossoms large. Stalks tall and straight. **Each 10 cts., doz. 80 cts., 100 \$5.00.**

Primulinus Hybrids

The original of this type introduced in South Africa has been very much improved by crossing with choice garden varieties and the mixed hybrids which we offer are sure to produce some beautiful flowers. The colors are bright and varied with an undertone of yellow; from pure yellow to the deepest orange and from soft salmon pink to rich crimson.

ALICE TIPLADY (Prim.) A grand, large vigorous saffron-colored Primulinus, extra fine. Strong grower. Exceptional cut flower. **Each 10 cts., doz. 80 cts.**

DOROTHY WHEELER. Richest rose pink with lighter throat. **Each 10 cts., doz. 80 cts.**

MAIDEN'S BLUSH. Enchantress pink. Well shaped flowers on slim strong stem, the earliest of all forcing varieties. **Each 10 cts., doz. 80 cts.**

SOUVENIR. Beautiful, rich canary-yellow; tall, graceful spike. **Each 10 cts., doz. \$1.00.**

STANDARD MIXTURE. This mixture is made up of good standard sorts in a big variety and should not be compared with the bargain mixtures of culs and discarded kinds often offered. We recommend this mixture to those who desire a quantity of good flowers without special reference to color effect. **Each 5 cts., doz. 50 cts., 100 \$3.50.**



ROSS BROS. CO.

Seeds and Implements

New and Rare Dahlias

EAGLE ROCK BEAUTY. A most beautiful combination of pink and cream and is greatly admired by all who have seen it. It has strong stems holding perfectly erect the immense blooms. **Each \$5.00.**

ELLINOR VANDERVEER. One of the most admired Dahlias in our garden. Color lavender pink; flowers large size, on long stiff stems; good bloomer and keeps well when cut. **Each \$2.00.**

EL DORADO. Vivid gold coloring, which is emphasized by the deeper tones at the base of the petals. Extra fine flower and a good stem. **Each \$2.00.**

FAITH GARIBALDI (Dec.) Deep lavender rose, very large, stem extra strong, growth of plant good. **Each \$2.00.**

JERSEY'S BEAUTY. A very fine true pink, flowers of perfect shape produced on long, straight, stiff stems. Very free bloomer, and a splendid keeper. **Each \$1.00, doz. \$10.00.**

JERSEY'S KING. The color is carmine, the flowers are very large and exceptionally fine. **Each \$1.00, doz. \$10.00.**

MRS. JOHN L. EMERSON. One of the largest and most attractive Decorative Dahlias grown. In color, a beautiful light golden yellow, overlaid carmine red. A favorite garden and exhibition Dahlia that will produce six to eight inch flowers. **Each \$1.00, doz. \$10.00.**

PRIDE OF WAYNE. Produces flowers of enormous size on stiff stems. Color a beautiful rich plum. Fine for exhibition, and should be in every garden. **Each \$1.00, doz. \$10.00.**

MRS. C. B. BENEDECT. A clear light yellow, one of the largest grown, a wonderful flower. **Each \$2.00.**

Peony-Flowered Dahlias

BESSIE SEABURY. White, very dainty, overlaid a delicate mallow-pink. **Each 25 cts., doz. \$2.50.**

ELLEN KELLEY. A long stemmed, free-flowering, golden yellow. **Each 25 cts., doz. \$2.50.**

HELEN KELLER. Almost identical with the well known pink dahlia, Rosemarie. **Each 50 cts., doz. \$5.00.**

MME. VAN BYSTEIN. A very distinct and new shade, lilac-blue throughout, holding blooms well above the foliage. An early and abundant bloomer. **Each 25 cts., doz. \$2.50.**

MRS. BOWEN TUFTS. Deep rosy-purple blossoms, which are produced well above the foliage upon long, graceful stems. **Each 25 cts., doz. \$2.50.**

MRS. JACQUES FUTRELLE. Flowers of medium size, but very attractive. An exquisite lemon-yellow, heavily splashed scarlet. Very free-flowering. **Each 25 cts., doz. \$2.50.**

MRS. M. W. CROWELL. Color, a beautiful orange-yellow. Very free-flowering. **Each 25 cts., doz. \$2.50.**

NEWPORT DANDY. A lilac-pink of the most delicate shade. The yellow center is open with the inner petals curling and twisting over it. **Each 25 cts., doz. \$2.50.**

QUEEN MARGUERITE. Salmon pink. A wonderful large flower. **Each \$1.00, doz. \$10.00.**

UNCLE SAM. Orange buff, blending into pink at edge; reverse spinal red. Very large on long stems. **Each \$1.00, doz. \$10.00.**

Pompon Dahlias

AMBER QUEEN. Rich, clear amber, shaded apricot. **Each 50 cts., doz. \$5.00.**

GANYMEDE. Amber, tinted lilac, a novel and distinct variety. **Each 50 cts., doz. \$5.00.**

JESSICA. Yellow, edged red—a very effective combination. **Each 50 cts., doz. \$5.00.**

LITTLE BEAUTY. (Pom.) Soft pink. **Each 50 cts., doz. \$5.00.**

LITTLE MARION (Alexander.) Salmon-pink with a veining of crimson through each petal, tipped amber. **Each 50 cts., doz. \$5.00.**

PRINCE CHARMING. Cream, tipped purple. One of the best. **Each 50 cts., doz. \$5.00.**

Up-to-Date Decorative Dahlias

BONNIE BRAE. Cream shaded to blush-pink. The flowers are of a true decorative form of immense size. **Each \$1.00, doz. \$10.00.**

CHAMPAGNE. An immense flower. The color is a delightful warm autumn shade. Very free bloomer, and has long rigid stems. **Each \$1.00, doz. \$10.00.**

ELIZABETH SLOCOMBE. Color rich purplish-garnet. The large flowers are carried on long stiff stems. **Each 50 cts., doz. \$5.00.**

ELAINE WILLIAMS. The brilliant crimson and white of this flower are well distributed. It has both blooming quality and size. **Each \$1.00, doz. \$10.00.**

GLORIANA. Immense flowers of pure gold color, slightly reddish towards center. Long leafless stems. None better for exhibition or cutting. **Each 50 cts., doz. \$5.00.**

JUNIOR. An enormous flower, one of the largest Dahlias grown. A pure lavender. Fine for exhibition purposes. **Each \$1.00, doz. \$10.00.**

LAKE ERIE. One of the deepest lavender Dahlias grown. Fine exhibition flower. **Each \$1.00, doz. \$10.00.**

MRS. EDITH HAYWARD. The color is a clear lemon yellow, it will produce flowers from 6 to 8 inches in diameter and has a wonderful stem and will keep longer after being cut than any other Dahlia. **Each \$2.00.**

MRS. I. DE VER WARNER. Deep mauve-pink. One of the very best Dahlias grown. Long stiff stems and excellent for cut-flowers. **Each \$1.00, doz. \$10.00.**

SNOWDRIFT. A giant, clear white. The flower has good depth with broad waxy petals of the true Decorative type. **Each \$1.00, doz. \$10.00.**

THE BASHFUL GIANT. One of the largest dahlias grown, its beautiful color being an apricot with golden shadings. **Each \$1.00, doz. \$10.00.**

WM. H. SLOCOMBE. The largest and best pale yellow Decorative to my knowledge. A clear sulphur yellow passing to martinus yellow at tips. **Each \$1.00, doz. \$10.00.**

Decorative Dahlias

AZALIA. Very large, soft creamy yellow, with outer petals suffused pink. **Each 50 cts., doz. \$5.00.**

CAMBRIA. A beautiful soft rose pink passing to a lighter pink towards the center. Extra good stem. **Each 50 cts., doz. \$5.00.**

CLIFFORD W. BRUTON. A large canary-yellow. **Each 25 cts., doz. \$2.50.**

FRANK A. WALKER. A charming shade of deep lavender-pink. For garden decoration or for cut flowers this variety is exceptionally good, having long stems and producing flowers in great abundance. **Each 25 cts., doz. \$2.50.**

JACK ROSE. The identical shade of the rose with the same name. Free-flowering. **Each 25 cts., doz. \$2.50.**

LE GRAND MANITOUE. The color of this superb variety is pure white artistically striped, splashed and blotched deep violet-purple. The plants occasionally bear a solid purple-colored flower. **Each 50 cts., doz. \$5.00.**

MILLIONAIRE. Most delicate lavender, with faint pink cast overshadowing it, the whole having a blending of white. **Each 50 cts., doz. \$5.00.**

PRIDE OF CALIFORNIA. Called the "American Beauty" Dahlia. Huge crimson red flowers, produced on long straight stems. **Each 50 cts., doz. \$5.00.**

ROSA NELL. The color is a clear bright rose, and the flowers are very large. Good stems and habits. **Each 50 cts., doz. \$5.00.**

ORA DOW. A beautiful velvety maroon, effectively tipped white. **Each 25 cts., doz. \$2.50.**

SYLVIA. White, heavily edged pink. **Each 25 cts., doz. \$2.50.**

SOUVENIR DE GUSTAVE DOAZON. The color is a pleasing shade of orange-red. The plant is a very tall, vigorous grower, glossy green foliage. Very long stems. **Each 25 cts., doz. \$2.50.**

WILHELM MILLER. Very brilliant purple. This is a fine variety. **Each 25 cts., doz. \$2.50.**



EVERYBODY KNOWS Ross' Seed Grows

Cactus Dahlias

BERTRAM S. VARIAN. (Incurved Cactus.) A very brilliant, deep scarlet of the moderately incurved form, of good size on long stems. This is one of the freest flowering Dahlias in our list. 75 cts. each, doz. \$8.00.

BRIDE'S BOUQUET. (Hybrid.) An ideal white cactus and profuse bloomer, extra long stem, and a Dahlia that stands up well when cut. 50 cts. each, doz. \$5.00.

COUNTESS OF LONSDALE. (Hybrid.) Deep salmon-red. One of the best. Very free. 50 cts. each, doz. \$5.00.

EARL OF PEMBROKE. (Hybrid.) Bright plum color; large bold flower. 25 cts. each, doz. \$2.50.

EUREKA. (Straight.) Color very deep purple. Petals are long, straight and tightly quilled. 25 cts. each, doz. \$2.50.

J. H. JACKSON. The finest black Cactus Dahlia in existence. Color, a perfectly gorgeous, deep velvety, blackish-maroon. 25 cts. each, doz. \$2.50.

LIBELLE. (Straight.) Clear, deep rose-purple. 25 cts. each, doz. \$2.50.

PEER DE LYON. (Hybrid.) A pure white exhibition variety of great value. Petals fringed or nicked, giving unique appearance. 35 cts. each, doz. \$3.50.

TUSTU. (Straight.) The color is perfectly gorgeous—a beautiful velvety maroon. The petals are very long, tightly quilled. 50 cts. each, doz. \$5.00.

W. B. CHILDS. (Hybrid Cactus.) A very reliable variety. Color a beautiful dark purple-maroon. 35 cts. each, doz. \$3.50.

Single Dahlias

AUBRIGHT BEAUTY. A pure, waxy white variety. 25 cts. each, doz. \$2.50.

ECKFORD CENTURY. One of the largest of the single varieties. Pure white, streaked and dotted purple-crimson. 25 cts. each, doz. \$2.50.

CARDINAL CENTURY. Rich cardinal. One of the best in form and color. 25 cts. each, doz. \$2.50.

ROSE PINK CENTURY. A rose pink shade. A very large variety and without doubt the best of its color. 25 cts. each, doz. \$2.50.



Mrs. I. De Ver Warner

Do you receive our fall catalogue for Dutch bulbs? We list a full line of Tulips, Hyacinths and miscellaneous bulbs, also American grown Narcissus. If you do not receive this book send us your name and address and we will gladly put you on our mailing list for our next fall catalogue.

Mixed Dahlias

Postpaid, \$1.00 per doz.; by express, 90 cts. per doz.; \$6.00 per 100.

These include some of our best varieties, those of which labels have been lost, and at times varieties of which we have a surplus. While all classes are usually included, we give no guarantee that any lot sent out will include all, nor should it be understood that the customer is privileged to order those of any one class. We shall, however, send a good assortment of colors, and are sure the mixture will be found very satisfactory.

Choice Collection of Mixed Dahlias

We are offering for this season a wonderful opportunity to secure a collection of our named varieties at a very low price.

There are twelve good strong roots in this assortment which at catalogue price would sell at \$3.50. Our price cash with order, \$2.00, postpaid.

Show Dahlias

A. D. LIVONI. Beautiful soft pink. Well formed flowers with long stems. Free-flowering. 25 cts. each, doz. \$2.50.

AMERICAN BEAUTY. The flowers are of gigantic size and are produced on long, heavy stems, well above the foliage. The color of this acquisition is a gorgeous wine-crimson. 35 cts. each, doz. \$3.50.

ARABELLA. Pale lemon, shading to primrose at the tips, the whole being daintily overlaid with pink. 25 cts. each, doz. \$2.50.

DOROTHY PEACOCK. The color is that beautiful, clear, live pink that appeals to everyone. 35 cts. each, doz. \$3.50.

D. M. MOORE. Deep velvety maroon, almost black; extra fine. 50 cts. each, doz. \$5.00.

GLORIE de GUISCARD. An almost indescribable combination orange, red, yellow, pink and white. 25 cts. each, doz. \$2.50.

IMPERIAL. Deep purplish maroon. 25 cts. each, doz. \$2.50.

LES AMOURS DE MADAME. Delicate pale rose, striped scarlet. 35 cts. each, doz. \$3.50.

LUCY FAUCET. Pale yellow, striped deep pink or light magenta. Very large and free-flowering. 25 cts. each, doz. \$2.50.

MAUDE ADAMS. The color is a pure snowy white, very effectively overlaid clear delicate pink. 50 cts. each, doz. \$5.00.

MISS HELEN HOLLIS. Deep scarlet. Blossoms are on long, stiff stems, well above the foliage. 50 cts. each, doz. \$5.00.

STORM KING. Color, a pure white. Flowers produced on good stems, well above the foliage. Free-flowering. 25 cts. each, doz. \$2.50.

STRADELLA. Beautiful deep purple-crimson. Exceptionally free-flowering. Stems long and wiry. 25 cts. each, doz. \$2.50.

VIVIAN. A wonderful flower, the color being white, effectively edged rose-violet. One of our champions and a variety worthy of the highest words of praise. 25 cts. each, doz. \$2.50.

Collarette Dahlias

ACHIEVEMENT. The flower is a clear, rich velvety maroon; collarette, a beautiful snowy white, very daintily overlaid with a delicate shade of pinkish-crimson. 25 cts. each, doz. \$2.50.

AMI CACHAT. Orange-red, yellow collarette. 25 cts. each, doz. \$2.50.

EXPOSITION de LYON. Bright garnet tipped yellow. Collar white, lavender and crimson. 25 cts. each, doz. \$2.50.

VIRGINIA LEE. In color a deep velvety carmine, edged sulphur-yellow; collarette, pale sulphur-yellow. 25 cts. each, doz. \$2.50.



ROSS BROS. CO.

Seeds and Implements



Fertilizer and Fertilizing Materials

This is one of our specialties and we can furnish either ready mixed or unmixed goods for all purposes. Parties wishing for larger quantities than are quoted are requested to write for special price. We can make you very low price on carload of mixed goods, also on Canada Hardwood Ashes, Bone, Lime, Nitrate of Soda and Sulphate of Ammonia. Where we can save the expense of handling and storing this material and can sell on a cash and carry basis, we can compete with anyone selling similar goods.

ROSS BROS. CO.'S MARKET GARDEN FERTILIZER

An ideal fertilizer for Market Gardeners and potato growers.

Guaranteed Analysis:

Ammonia	5%
Available Phos. Acid	8%
Potash	7%
Price: Per 100 lbs. \$3.25. Get our price on larger quantities.	

ROSS BROS. CO.'S POTATO AND ONION FERTILIZER

This is a strictly high grade fertilizer designed for potatoes, vegetables, onions, etc.

Guaranteed Analysis:

Ammonia	4%
Total Phos. Acid	8%
Potash	4%
Price: Per 100 lbs. \$2.75, 50 lbs. \$1.50, 25 lbs. 90 cts.	

ROSS BROS. CO.'S LAWN GRASS TOP DRESSING

Especially adapted for top dressing to grass and can be used to seed grain where more Potash is handled. We also recommend it as being by far the best lawn fertilizer on the market.

Guaranteed Analysis:

Ammonia	4%
Total Phos. Acid	8%
Potash	4%
Price: Per 25 lbs. \$1.00, per 50 lbs. \$1.75, per 100 lbs. \$3.00.	

CANADA HARDWOOD ASHES

Unleached Hardwood Ashes, spread on the earth thickly and spaded into the earth well before planting, will clean the soil of maggot, worms, and all kinds of insects injurious to plant growth, and at the same time provide plant food. The result is better growth.

CANADA HARDWOOD ASHES. Analysis: Potash, 3 to 5 per cent; Phos. Acid, 1 to 3 per cent; Lime, 30 to 40 per cent; moisture, 12 per cent. We handle these in large quantities and can quote carload price delivered at any freight station in New England. F. o. b. Worcester. Price: Per 50 lbs. \$1.00, per 100 lbs. \$1.85, per ton \$32.50. Car lots in bulk delivered at all through points, \$23.00 ton.

AGRICULTURAL LIME. Should be applied at the rate of one ton per acre. Prices: Per bag, 100 lbs., \$1.25, 500 lbs. \$1.00 per 100.

Lime is an essential element of the soil and is necessary to plant life and if it is lacking in the proper proportion the crop can not develop normally even if all other essential elements are present in abundance.

SOILTEX

A test for Acid Soils. A money-saver and money-maker for farmers. Tells how much lime your soil requires. Full directions with each package. Price, postpaid, \$1.00.

PLAIN SUPERPHOSPHATE. 16 per cent soluble and available phosphoric acid. Prices: Per ton \$27.00, 100 lb. bag \$1.50.

PLASTER. Gypsum (Land Plaster). Plaster plays a very important part in the proper fertilization of the land. The ideal way to use Agricultural Gypsum is with manure, for in this way the Agricultural Gypsum serves the double purpose of preserving the nitrogen in the manure and directly supplying sulphate sulphur to the land. Price: Per bag, 100 lbs., \$1.50; per ton \$25.00.

CHAMPION BRAND CHILEAN NITRATE OF SODA. The new nitrate of soda. No beating or regrinding. It is now white and is in the form of small round pellets which cannot stick together. It can be distributed by side dressing machines because it will not solidify into lumps that require beating and regrinding. Purity 97 per cent. New moisture proof 100-lb. bags. Price: 5 lbs. 50 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

MURIATE OF POTASH 48%. A highly concentrated form of potash. Used in forcing vegetables and with a filler as a general fertilizer. Price: 100 lbs. \$4.00.

SULPHATE OF AMMONIA 25%. The most concentrated nitrogenous top dressing on the market. Price: 5 lbs. 50 cts., 25 lbs. \$1.75, 50 lbs. \$2.75, 100 lbs. \$4.50.

SULPHATE OF POTASH 48%. It is the most highly concentrated form in which this very important plant food element is obtainable. Price: 100 lbs. \$4.50.

FINE GROUND BONE. 3 to 4 per cent ammonia, 22.80 to 25.33 per cent phosphoric acid. Price: Per 25 lbs. \$1.00, per 50 lbs. \$1.85, per 100 lbs. \$3.50.

TOBACCO DUST. Fine, ground; for greenhouse use this is one of the best articles for dusting all kinds of plants that are affected with insects of any kind. Per bag 100 lbs. \$4.00, 50-lb. bag \$2.25, 5 lbs. 40 cts.

FUMIGATING TOBACCO. Price: 100 lbs. \$4.50.

TOBACCO STEMS. Used for fumigating, also used by some as a top dressing for fertilizer. We can furnish these in any quantity, even to carload lots. Prices: 5 lbs. 50 cts., 100 lbs. \$3.00.

Buyers of ton lots or over ask for prices.

Groz-It Brand Pulverized Sheep Manure

For Market Gardeners and Specially Recommended for Lawns

Is excellent for Golf Greens, for flower beds and especially for fertilizing trees of all kinds, for composting for window boxes and also good for the home garden.

Will not burn your plants, no matter in what quantities you use it, but is highly concentrated and safe for anyone to use. Can be used safely at the rate of 50 lbs. per 1,000 sq. ft., or as a general fertilizer for all crops from 1,000 to 2,000 lbs. per acre. It makes the richest and safest liquid manure, using 1 lb. to 5 gallons of water.

ANALYSIS

Nitrogen	1.25	Available Phosphoric Acid	75
Water Soluble Potash K2O	3.00		

Prices: 5 lbs., 30c; 10 lbs., 50c; 25-lb. bag, \$1.00; 50-lb. bag, \$1.75; 100-lb. bag, \$3.00; ton (2,000 lbs.), \$50.00.

All prices in this catalogue are based on the supposition that we get cash with the order. Parties wishing to buy goods on credit, but have never had an open account with us, will avoid delay if they furnish with the order bank references.

EVERYBODY KNOWS Ross' Seed Grows

Premier Poultry Manure

Pulverized Poultry Manure—Nature's Best Plant Food

Poultry Manure in concentrated form can be used profitably on a greater range and variety of vegetation than any other fertilizing material whether of an organic or a chemical origin.

Processed Poultry Manure is one of the safest and most reliable forms of plant food that can be applied to soil and will not burn or injure the most delicate and tender vegetation if used in reasonable amounts. Last, but not least, it possesses a bulk that adds available humus forming material to the soil, and the plant food is not readily lost by leaching.

Analysis

Nitrogen	4.93%
Equivalent to ammonia.....	6.00%
Total phosphoric acid.....	2.75%
Available phosphoric acid.....	2.50%
Potash as K_2O	1.30%

From the foregoing you will readily see how rich in plant food Premier Brand Poultry Manure really is.

Prices: 5-lb. bag 40 cts., 10-lb. bag 75 cts., 25-lb. bag \$1.00, 50-lb. bag \$1.75, 100-lb. bag \$3.25, ton (2,000 lbs.) \$50.00.

Lōma

beautifies lawns and gardens

To build up a lawn you can be proud of, use Lōma—the scientific plant food. Lōma is rich in potash, phosphate and nitrates—just the food elements your lawn or garden needs. Lōma promotes deep root-growth—makes the grass so sturdy it won't burn out quickly in the summer sun, so thick that it actually crowds out the weeds. Lōma is odorless, clean—many times more powerful than barnyard manures. Just sow it over the lawn like grass seed. Then wet it down. A 5-pound package fertilizes a 10 ft. x 10 ft. plot.



5 pound package.....	\$.60
10 " "	1.00
25 " "	2.00
50 " "	3.50
100 " "	6.00

(Sold only in original packages—never in bulk)

APPLICATION

5 pounds for.....	10 ft. x 10 ft. or	100 sq. ft.
10 pounds for.....	10 ft. x 20 ft. or	200 sq. ft.
25 pounds for.....	20 ft. x 25 ft. or	500 sq. ft.
50 pounds for.....	25 ft. x 40 ft. or	1000 sq. ft.
100 pounds for.....	40 ft. x 50 ft. or	2000 sq. ft.

Niagara Dusting Machines and Equipment

Dusting saves time, labor and money, and, because of the ease and rapidity in making applications of insecticides and fungicides, very often produces the difference between failure and success.

NIAGARA QUALITY PRODUCTS are known wherever fruit and truck crops are grown.

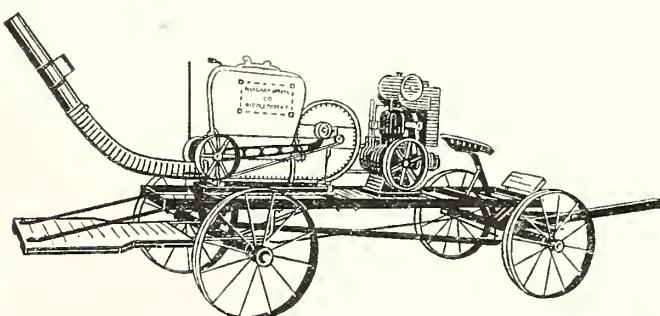


FIG. 1

All prices in this catalogue are subject to change without notice.

NIAGARA Model F Fruit Duster

This is the duster that has perfected and substantiated the Dusting Method wherever fruit is grown.

With this duster, a man and boy can dust 50 acres of mature apple trees planted 35 feet each way, from both sides, in ten hours.

The NIAGARA Model F Orchard Duster, equipped with 5 H. P. New-Way air-cooled Engine, mounted on a special all-steel Cross Reach Orchard Truck.

Price f. o. b. factory.....\$420.00



ROSS BROS. CO.

Seeds and Implements



The NIAGARA Crop Dusters have "put the Dusting Method over" in every section where insecticides and diseases must be controlled if clean crops are grown.

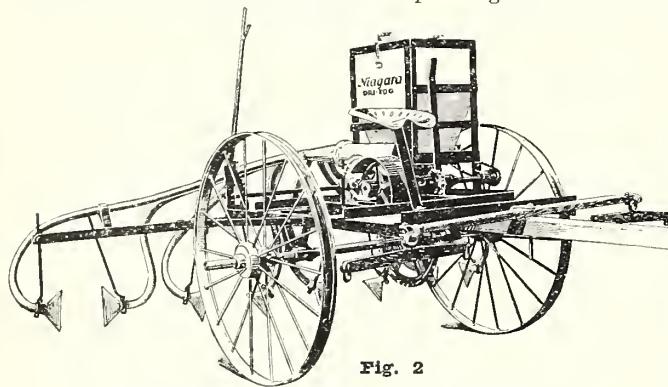


Fig. 2

NIAGARA "Dri-Fog" Crop Duster

This is the latest NIAGARA achievement.

This 4-row potato and truck crop duster will completely cover the under and upper surfaces of the foliage with a film of dust and do it at the rate of 30 to 35 acres per 10-hour day. It will deliver from 3 lbs. to 100 lbs. of dust per acre and distribute it absolutely accurately on each of the four rows.

The NIAGARA Dri-Fog Crop Duster, 4-row, 8-nozzle. Price f. o. b. factory.....\$200.00

NIAGARA Blower Dust Gun

Just the duster for small acreages of truck and garden crops, green houses and estates. Price\$22.00
2-Row Attachment2.00



Niagara Spraying Materials

These materials manufactured and distributed exclusively by the Niagara Sprayer and Chemical Co., Inc., Middleport, New York, represent the greatest spray material service in the trade. Each material represents a distinct specialized package service and contains just exactly the correct ingredients in the right proportions to control.

NIAGARA Soluble Sulphur Compound

The Complete Dormant Spray used to control scale, aphis, and diseases in the dormant and delayed dormant, on apples, pears, quinees, etc., and wherever a dormant Sulphur spray is needed.

Per 100 lbs.....\$9.50

NIAGARA Koloform

The New Exclusive NIAGARA Summer Sulphur Spray Material that has the greatest toxicity to disease of any Sulphur Spray Compound, used for the control of diseases only in summer spraying. Carton contains 8 7 1/2-lb. bags. 60-lb. carton\$4.00
7 1/2-lb. bags65

All prices in this catalogue are subject to change without notice.

EMULSO (A NIAGARA Product)

Emulso is a typical LARGE DROP, MECHANICAL TYPE OIL EMULSION made from especially selected oils, using an exclusive Emulsifying Agent and stabilized to insure its not breaking down in shipping and storage.

	Price Packed in 50-gal. bbls.	per gal.	Price Packed in 5-gal. cans	per gal.
25-gal. bbls. ....	.65		1-gal. cans	1.35
10-gal. cans .....	.90			

NIAGARA Copospray

The New Bordeaux Service Spray made from dehydrated Copper Sulphate and packed in a service package containing 10 lbs. of material. These are packed in a metal air-tight, 100-lb. container.

Per 100 lbs.....\$11.50 Per 10-lb. bags.....\$1.75

NIAGARA Copokil

The New Bordeaux Service Spray containing poison also, to control chewing insects as well as diseases on potatoes and truck crops. This is packed in 10-lb. bags, 10 bags in a metal air-tight 100-lb. container.

Per 100 lbs.....\$13.50 Per 10 lbs.....\$2.00

Niagara Dusting Materials

NIAGARA Dusts are the standard by which all dusts are judged. The years of knowing how and actually processing dusts by the Niagara Sprayer and Chemical Co., Inc., is your assurance that the dusts offered below are MECHANICALLY CORRECT and SCIENTIFICALLY ACCURATE.

NIAGARA Vitidust

The Standard Copper Lime and Poison Dust for apples and grapes used to control disease and chewing insects.

Per 100 lbs.....\$9.65

NIAGARA D-18

The Standard Copper Lime and Poison Dust used to control potato bugs and diseases on all truck crops.

Per 100 lbs.....\$10.35

NIAGARA D-25

The Standard Copper Lime Dust used for the control of diseases only, on potato and truck crops.

Per 100 lbs.....\$8.50

NIAGARA A-1 Nicotine Dust

The Standard Contact Dust used to control sucking insects, aphis, red bugs, pear psylla, etc.

Per 100 lbs.....\$15.60

NIAGARA Kolodust

The New Exclusive NIAGARA Dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants.

Per 100 lbs.....\$5.20

NIAGARA Kolotex

The New Exclusive NIAGARA Sulphur and Poison Dust that "sticks through rain and wind." This is a fungicide and stomach poison combined used for the control of codling moth, strawberry weevil and diseases on apples, pears, etc. Per 100 lbs.....\$7.50

NIAGARA Kolokil

The New Exclusive NIAGARA Sulphur and Poisou Dust containing extra large percentage of Arsenate of Lead. This material is used wherever extra heavy ravages of chewing insects prevail; also in controlling such diseases as may be present.

Per 100 lbs.....\$8.40

EVERYBODY KNOWS Ross' Seed Grows



The McCormick-Deering 10-20 Tractor

Read over the following important features, then come in and ask us all the questions you can think of. Don't miss the opportunity to get acquainted with the McCormick-Deering 10-20 and also 15-30, which, owing to the great belt power, is especially adapted to saw mill work.

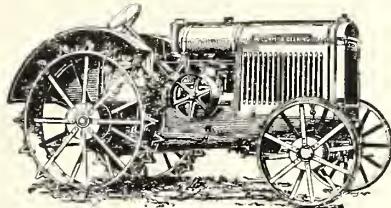


Fig. 4

Ball and Roller Bearing at 28 points.
Ball Bearing Crankshaft.
All wearing parts, including cylinders, replaceable.
Entire main frame in one sturdy unit.
All parts easily accessible, easily removed.
Alemite lubricating system.

Throttle governor.
Large belt pulley.
Adjustable drawbar.
Water air cleaner.
Comfort and safety features, such as steel platform, wide fenders, adjustable seat and foot levers, and handy brakes.
Three forward speeds.

Send for illustrated circular.

WARRANTY

The crankshaft and crankshaft ball bearings of every McCormick-Deering Tractor are now guaranteed against breakage for the life of the tractor. Ask for details regarding this remarkable warranty—a feature offered with no other Tractor.

Price, F. O. B. Boston \$898.00

McCormick-Deering P & O Little Genius Tractor Plow—Two-Furrow

The power for raising and lowering the bottoms is supplied by the land wheel. Only one short jerk of the rope is necessary to engage this lever and lift the plows. When the plows are in the ground the levers set ahead within easy reach of the operator and when the plows are raised the levers swing back and do not interfere with the tractor when a turn is being made. When necessary the bottoms can be easily raised by hand regardless of the depth at which the plow is worked. The hitch is adjustable by a pin and can be adjusted to suit any make of tractor—is very rigid and the locking device controls the action of the rear wheel permitting the plow to be backed. There is a good clearance between the bottoms, which enables the plow to work in the trashiest ground and to cover well in deep plowing. The rolling coulters are made of the finest grade of coulter steel, carefully ground and polished and set in cone bearings, and can be taken out for adjustment. The beams are of heavy high-carbon I-beam steel, securely braced, with a hard steel moldboard and solid steel quick detachable share.

Two-Furrow, 14-inch. Weight 841 lbs.

Little Wonder, Two-Furrow, 14-inch. Weight 615 lbs.

Ask for Price.

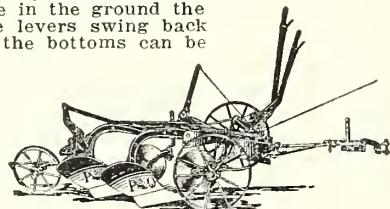


Fig. 5

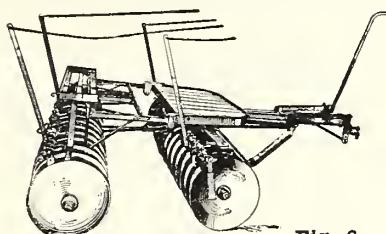


Fig. 6

McCormick-Deering Tractor Disk Harrow

This disk harrow is a genuine tractor tool. It is not intended to be used with horses but is built for tractor use only. The gangs are controlled entirely by the action of the tractor. To secure his angle the driver puts the draft lock in the notch giving the desired pitch, then when he moves forward the gangs assume the angle without further attention. To straighten the gangs the tractor is backed and the draft lock returned to its original position. Then as the tractor again moves ahead the gangs straighten themselves. It is built in 5, 6, 7, 8 and 10 ft. sizes to fit any tractor. Prices on application. Weight 931 lbs.

Clark "Cutaway" Double Action Tractor Harrows

The Clark "Cutaway" line of Double Action Tractor Disc Harrows is the most complete on the market. There are rigid frame and flexible frame types of harrows, made in many sizes, with 16-inch or 18-inch discs. The harrow illustrated here is the late model Flexible Tractor Harrow. Prices and descriptive folders of other sizes on request. Cutout or solid discs same price.

A-6 24 16-inch Discs, 6½ ft. cut, 765 lbs. \$118.50

A-7 28 16-inch Discs, 7½ ft. cut, 860 lbs. 127.50

5% Discount for Cash.

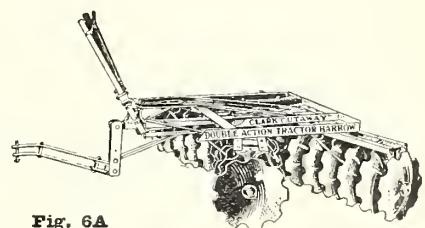


Fig. 6A

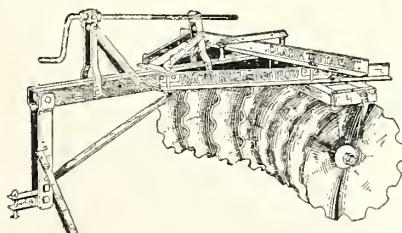


Fig. 7

Clark "Cutaway" Bush and Bog Plow

This Bush and Bog Plow and Harrow is the original "new land" plow and has been used successfully by farmers for more than thirty years. For cutting brush land and cut-over timber land, for plowing of bogs, or for doing any extraordinary hard plowing and discing it soon pays for itself. It is made in three sizes for tractor and two sizes for horses.

Price, 8-24 in. discs, 5½ ft. cut, tractor or 4-horse hitch \$110.70

Junior, 8-20 in. discs, 4½ ft. cut, 2-horse hitch 73.30

5% Discount for Cash.

All prices in this catalogue are subject to change without notice.



ROSS BROS. CO.

Seeds and Implements



McCormick-Deering Two-Way Success Sulky Plow

The Two-Way McCormick-Deering Sulky has all the conveniences for an ideal New England Plow. It is built to work on hillside or irregular shaped fields, in fact, any place that a plow is to be used.

Turns All Furrows The Same Way—Leaves No Dead Furrows

The Two-Way Success has a right and left hand bottom. Instead of plowing around a land, it plows on the same side all the time, using the right hand bottom one way and left hand bottom returning. This method leaves the land in a "solid body," eliminating dead and back-furrows. It is therefore the proper plow for hill-sides, irrigated fields, and irregular fields, though it is equally efficient as a general purpose sulky. Another advantage is that the two outside horses, when using three, "take turns" walking in the furrow and on the land, which rests them.

EASY TO OPERATE

The two main levers regulate the depth. They are easy to reach, and have right-angle hand grips, which are more convenient than the ordinary grips. The bottoms are raised by ratchets on the wheels, the only effort required by the operator being a slight pressure on the foot-trips, which causes a "dog" to engage the ratchet when the horses raise the bottom. A bottom is lowered by throwing its lever backward until the desired depth is reached.

HITCH

The plow is regularly set for two horses, but can be quickly set for using three or four horses, either abreast or tandem. As a bottom is lowered, the hitch automatically shifts. The dial feature gives ample lateral and vertical adjustment.

A draft link from the hitch to the beam places the draft directly on the beam, so none of the plowing strain is thrown on the plow frame.

BOTTOM EQUIPMENT

12, 14, or 16-inch bottoms, either all steel, all chilled or any combination as ordered. Shares are the McCormick-Deering quick-detachable. The rolling coulters are 13-inch and have "take-up" cone bearings. Jointers or Knife Cutters can be furnished instead of coulters, or purchaser may have combined coulters and jointers at a slight additional cost.

Price with 2—two 12-inch bottom and two horse hitch, \$111.50. 5% Discount for Cash.

The Wiard Reversible or Two-Way, Power Lift Sulky Plow (Lift and Trip Operated by Hand or Foot), with Shifting Pole, Automatic Shifting Clevis and Adjustable Tilting Seat and Steel Wheels.

No. 400—Two- or Three-Horse—Weight 550 lbs.

Cut 5 to 8 in. deep, 11 to 15 in. wide with chilled or steel moldboards.

As shown in the illustration, there are two plows, one right and one left hand, each operated by separate levers and having an AUTOMATIC POWER LIFT which can be operated by the driver from the seat either by the use of a trip-lever operated by the foot, or by a hand lever which can be operated by the driver either when riding or walking. The plows have the highest grade chilled iron or soft-center steel moldboards, and either forged steel or cast iron points as ordered, and can be fitted with jointer, plain coulter or rolling coulter, as desired.

This Sulky is adapted to all soils, leaving no ridges or dead furrows and does perfect work on either level land or side hill.

It is very simple, easy to handle, and is lightly constructed, the material used being mostly steel and malleable iron, making it very strong and durable.

Price, with chilled moldboards and point..... \$100.00
Add for steel moldboards..... 4.00

5% Discount for Cash

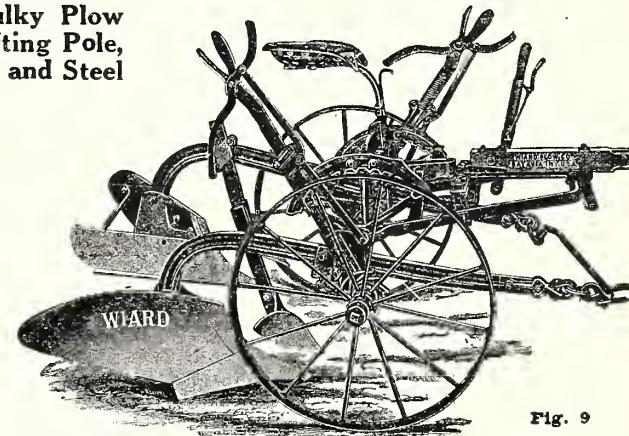
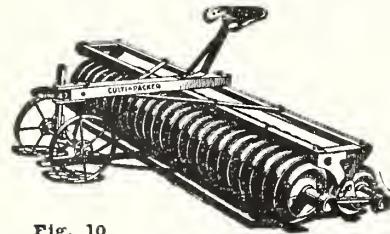


Fig. 9

McCormick-Deering Culti-Packer

THREE TOOLS IN ONE

This is one of the best built machines that ever helped the farmer to get a bumper crop. The frame is made of heavy angle steel bars, bolted fast. Two Channel steel bars run diagonally from the tongue across the frame. It takes the place of the old roller. This is not only a clod crusher, but a pulverizer, picker and cultivator. This machine is practically indestructible.

No. 49-4/5, Rolling Capacity 62 in. Weight 835 lbs.

No. 52, Rolling Capacity 85 in. Weight 1,065 lbs.

Ask for Prices

Fig. 10

McCormick-Deering Chattanooga Hillside Plows

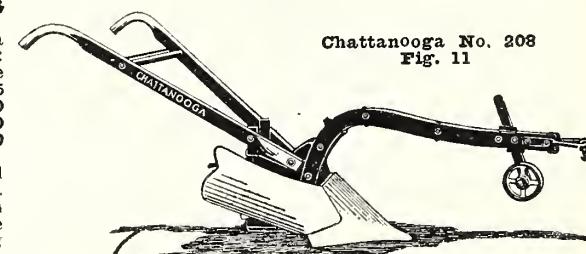
All sizes are made on trussed beam chilled shares, one extra share shipped with each plow. Furnished in four sizes as follows:

No.	Description	Depth	Width	Weight	Price
207	1-horse, light	4"	9" with wheel	65 lbs.	\$13.25
208	1-horse, regular	5"	10" with wheel	75 lbs.	15.00
209	2-horse, regular	6"	12" with wheel and jointer	130 lbs.	25.00
210	2-horse, heavy	7"	14" with wheel and jointer	157 lbs.	31.00

5% Discount for Cash

Nos. 207, 208 and 209 come regularly equipped with solid steel moldboards. A hard steel board can be furnished on special orders.

The beam is made of two flat steel bars, trussed together in such a way as to form a beam that is both light and strong. The beam and handles are long, giving good leverage, both while plowing and when reversing the bottom.



Chattanooga No. 208
Fig. 11

EVERYBODY KNOWS Ross' Seed Grows

No. 130X with New Automatic Adjustable Colter and Adjustable Clevis

No.	Size	Capacity	Wt. with Clevis	Price
130X	Light two-horse	5 to 8 in. deep, 10 to 13 in. wide	104 lbs.	\$27.50

Specifications and Description

Beam—White oak, selected stock
Moldboard—Cast iron; add for steel moldboard \$2.00.

Shoe—Cast iron, a good length, chilled on bottom.

Coulter—Adjustable steel blade, automatically shifted when moldboard is reversed.

Wheel and Standard—Rigid, with malleable standard, wheel runs under beam.

Clevis—Plain or adjustable, operated by lever between handles.

Points—Plain or stony, cast iron steel-edged marsh or forged steel.

Finish—Iron work, except polished surfaces, painted green, striped and varnished. Woodwork natural finish, two coats oil and varnish.

No. 140 Medium Two-Horse Plow

Weight, 135 lbs.....	\$28.50
For steel board add \$2.00	
5% Discount for Cash	



Fig. 12

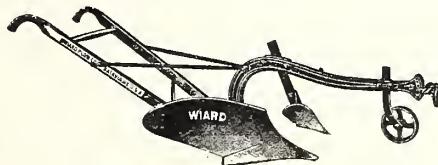


Fig. 13

Two-Horse, Steel Beam Wiard

No.	Size	Capacity	Wt. with Clevis
43	Two-horse	4 to 7 in. deep, 9 to 13 in. wide	120 lbs.
44	Two-three-horse	5 to 8 in. deep, 11 to 15 in. wide	130 lbs.
Cast iron points for this series of Plows are made in the following styles: Plain, pitch, stony, slip nose and cutter. Also for the Nos. 43 and 44 an extra wide (13-inch) plain cast point is made. Forged steel points are furnished for all sizes and a Special Alfalfa Point.			
No. 43. With chilled moldboard Jointer and Coulter and Wheel..... \$26.50			
Same with steel board..... 28.50			
No. 44. With chilled board wheel and Coulter or Jointer..... 28.25			
Same with steel board..... 30.75			
5% Discount for Cash			

No. 67 Wiard Pavement or Rooter Plow

No.	Size	Wt. with Clevis
67	Four- or six-horse	250 lbs.

This Plow has great strength and is adapted to contractors' work and for tearing up cobblestones or macadam pavements.

The Beam is made of cast Crucible Steel. The tendency to wear off the lower front end of the Beam in this class of Plows is entirely overcome by a separate shoe casting attached to the beam at this point, which can be replaced at slight expense when worn; this often saves the cost of the beam. In ordering always specify kind of Beam wanted.

The point is 32 inches in length and one inch thick, and is made from the best quality of forged steel. It is wedge shaped and pointed at both ends. The Point can be extended when it becomes worn by removing the bolts and adjusting towards the front. It can also be reversed end for end, making a point that has strength, durability and great wearing qualities. It can be forged or drawn by any blacksmith.

The Handles are made of steel, strongly braced, being a new departure, as heretofore the handles for this style of Plow have been made of wood and were easily broken.

The Construction of this Plow throughout is iron and steel, and it is made to stand the wear and tear to which this style of Plow is subjected. This Plow, together with either of our Contractors' or Road Plows, makes a pair that is unsurpassed for this class of work. Price, \$60.50. Discount for cash, 5%.



Fig. 14

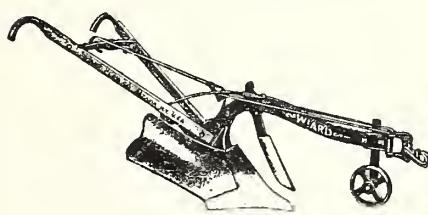


Fig. 15

No. 120 Medium Two-Horse Wiard Plow

No.	Size	Capacity	Wt. with Clevis	Price
120	Light two-horse	5 to 8 in. deep, 10 to 13 in. wide	118 lbs.	\$32.50
125	Heavy two-horse	5 to 8 in. deep, 12 to 15 in. wide	139 lbs.	23.50
127	One-horse	4 to 7 in. deep, 8 to 12 in. wide	100 lbs.	25.50

Specifications and Description

Beam—Forged steel, two pieces.

Moldboard—Cast iron or soft-center steel, highly polished. Add for steel moldboard, \$2.00.

Shoe—Cast iron, chilled on bottom.

Jointer—Adjustable, automatically shifted when moldboard is reversed.

Coulter—Adjustable, automatically shifted when moldboard is reversed.

Wheel and Standard—Wheel can be run under beam or at side.

Clevis—Plain or adjustable, operated by lever between handles.

Points—Plain and stony, cast iron.

Finish—Ironwork painted green, striped and varnished.



Fig. 16

No. 21 Wiard Plow

No.	Size	Capacity	Wt. with Clevis
21	One-horse	4 to 7 in. deep, 6 to 10 in. wide	77 lbs.
By an ingenious but simple device attached to these Plows they can be used with horse walking in the furrow, a great convenience for garden and vineyard work.			
The No. 21 is made with cast-iron moldboard..... \$16.75			
With steel moldboard 18.75			
5% Discount for Cash			

ROSS BROS. CO.

Seeds and Implements



McCormick-Deering No. 3 Potato Digger

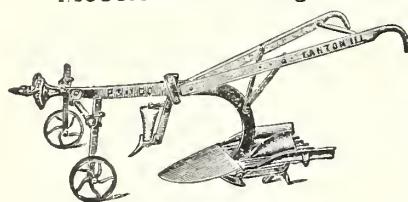


Fig. 17

keeping the digger on an even course and working at a uniform depth. The wheels are adjustable. The grate at the rear is hinged at the front and is given an up and down motion by a 5-tooth wheel at the rear. This sifts out the dirt as the potatoes pass over the rod. Weight, 155 lbs.

Price, \$27.00. 5% discount for cash.

Two-Horse Steel Land Roller

Made very strong and durable. 8 ft. wide, 3 sections 24 in. in diameter. Has patented closed end which excludes all trash, rubbish, etc. Runs on hardwood oiled bearings, which can be easily renewed in case of wear. An up-to-date roller in every respect.

Price, \$47.00. Less 5% for cash.

One-horse roller, two-section. Price, \$47.00.

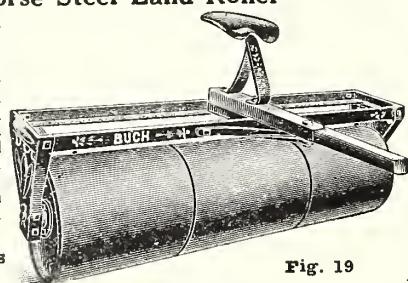


Fig. 19

The Hitchcock Potato Digger and Shovel Plow Combined

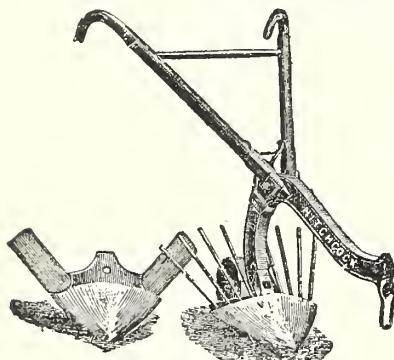


Fig. 21

This Potato Digger will not only dig potatoes, but can also be used as a hillier by attaching the special hillier wings. Also can be used for furrowing out. You get best results by using two horses, allowing one to walk on each side of the row.

Price, as Digger, \$12.50.

Price, complete with wings, \$16.50.

No. H, One-Horse "Acme" Harrow

This style has 8 coulters, crushing shoes and seat; works 4 ft. 4 in. wide; weight, 90 lbs.

Price, \$23.50. 5% discount for cash.

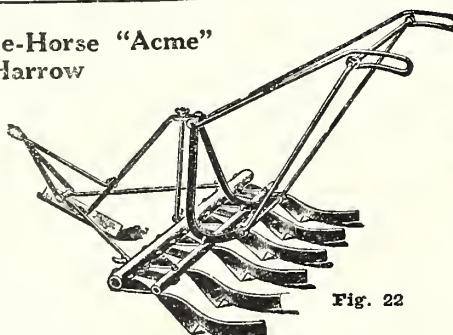


Fig. 22

Terms may be arranged for extending credit should our customer so desire. All prices subject to change without notice.

McCormick-Deering Potato Digger

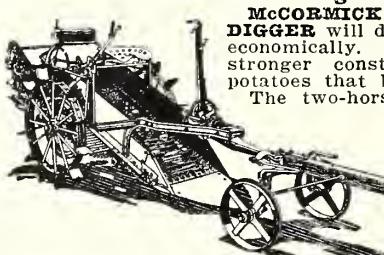


Fig. 18

MCCORMICK-DEERING POTATO DIGGER will dig your crop quickly and economically. Less power, less labor, stronger construction, digging better potatoes that bring better prices.

The two-horse 6-ft. size has a 5-ft. elevator 22 in. wide. This machine can be furnished with rod link made of high-carbon spring steel or with the riddle or grade bar elevator.

We also have this in a 7-foot digger for four horses, elevator being 6 ft. x 22 in. wide.

These diggers get all the potatoes, whole and unbruised. The weight of the front end of the digger is carried on truck, relieving horses of all neck weight. The construction is strong throughout. The main wheels are 30-in. on the 6-ft. digger and 36 in. on the 7-ft. without the lugs.

Light draft is made possible by a close-up hitch. Dust caps keep the dust away from the working parts. Drive wheels are high and the shovel is correctly designed.

Regular equipment consists of vine turners, including kickers, shaker, two extra rollers, sprockets, wheel type truck, main wheel lugs, pole, neckyoke and hitch.

Price, No. 5, with rod link elevator, 6 ft., \$140.00. 5% discount for cash.

Send for special circular.

Dunham Water Weight Lawn Roller

The Dunham Water Weight Lawn Roller is electric welded, making the water section one solid drum; no rivets are used. It cannot leak. The roller surface is perfectly smooth and cannot injure the lawn.

A good lawn cannot be obtained unless a roller is used. Continued freezing and thawing separates the turf from subsoil, which leaves an air space for grass roots to dry out. A good rolling is absolutely necessary to put the lawn in condition again.

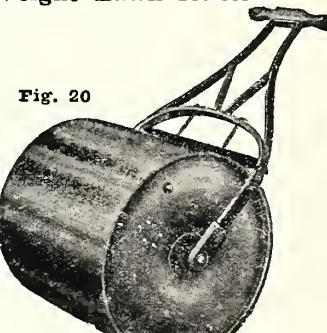


Fig. 20

No.	Diam., In.	Length, In.	Sections	Weight	Filled with Water	Price Each
				Empty		
2	14	20	1	50 lbs.	150 lbs.	\$12.80
4	18	24	1	82 lbs.	265 lbs.	15.20
5	18	24	1	85 lbs.	300 lbs.	19.00
7	24	24	1	110 lbs.	500 lbs.	21.90
9	24	32	1	130 lbs.	565 lbs.	24.70

Weight 50 per cent more when filled with sand—water is most convenient.

The Acme Pulverizing Harrow

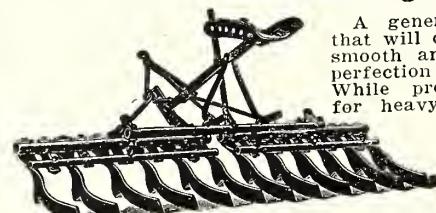


Fig. 23

A general purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection all in one operation. While pre-eminently adapted for heavy, stubborn land, it can be adjusted, by means of levers and runners, to do perfect work on the lightest soil. It cuts the entire surface without disturbing sods or

trash that has been turned under by the plow. It prepares a perfect seed bed, and also covers seed in the best manner. The draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible.

No. 23, Regular size, 1 and 2-horse, made in two sections.

Price, \$30.00. 5% discount for cash.

EVERYBODY KNOWS Ross' Seed Grows

McCormick-Deering Manure Spreader No. 4

Improved Design—New Features

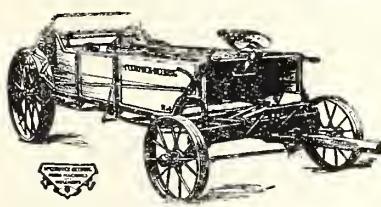


Fig. 24

lever controls the spreading mechanism and controls the operation of the conveyor at six different speeds. The seat swings back while loading and the narrow width of the spreader allows ready passage through the average barn doors or field gates.

There are eight roller bearings, two on the axle, two on each of the upper and lower beaters, and two on the widespread shaft. This feature provides light-running and reduces wear to a minimum. The box is wider at the rear than at the front thus preventing the load from wedging against the sides. The upper beater is set forward of the lower one so they don't dig into the load at once when starting. Two steel beaters and a widespread spiral insure perfect pulverization and uniform spreading beyond the rear wheels.

Six conveyor speeds permit placing more or less manure on certain spots as desired. The driver can instantly regulate the quantity of flow while the spreader is in operation. The short wheelbase, tracking of the front and rear wheels, and the auto-steer front truck makes the McCormick-Deering a strong, durable, light-draft spreader. Weight 1,435 lbs.

Get our prices before purchasing.

Wood Wheel Farm Truck

A handy farm truck with low wood wheels. Can be used for logging or any other farm work. This truck has extra long, well braced rear hounds and wood front hounds, fitted with a heavy cast reach plate. The axles and bolsters are made of hardwood, either oak, hard maple or rock elm. The bolster stakes are mortised into the bolster, are ringed for tying, or binding and all are well ironed. The wheels are of the best French and Hecht with grooved tires. $\frac{5}{8}$ -inch spokes. Price, Monarch Truck with 36 and 40-inch wood wheels, \$73.00—Less 5% cash.

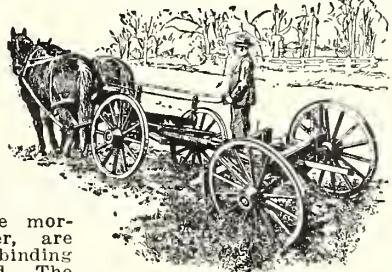


Fig. 25

McCormick-Deering Disc Harrow

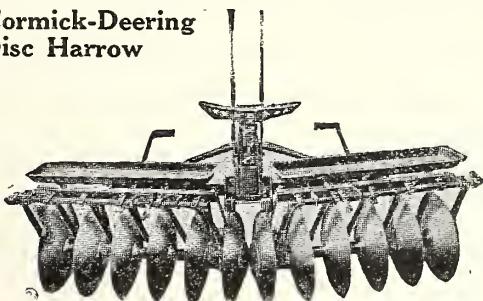


Fig. 26

Has 12 16-inch discs and weight boxes. The main frame of this harrow is constructed in such a manner that the heavy bent iron bars which fasten the main frame to the bearings are hinged both to the main frame and in the bearings. This allows the rigid frame to be used and gives an opportunity for the disc gangs to work close together. The cross beam of the frame is made of angle steel and the bars running from the ends of the cross beam to the tongue are heavy steel. The bearings are arranged so they can be easily oiled and are fitted with metal bushings which can be replaced when they become worn. This makes the harrow very strong and durable. Weight, 423 lbs. Price includes weight boxes, scrapers and two-horse hitch. Ask for price.

All prices in this catalogue are subject to change without notice.

Clark One-Horse Cutaway Harrow with Shifting Levers

A-4 Single Acting Harrow, 8 16-in. discs, 4 ft. cut, fitted with shafts for one horse and two shifting levers. This harrow is an improvement over the O-5, which does not have the levers and also has 16-inch instead of 14-inch discs. We think it is well worth the difference in price. Wt., 245 lbs. Price, \$42.00

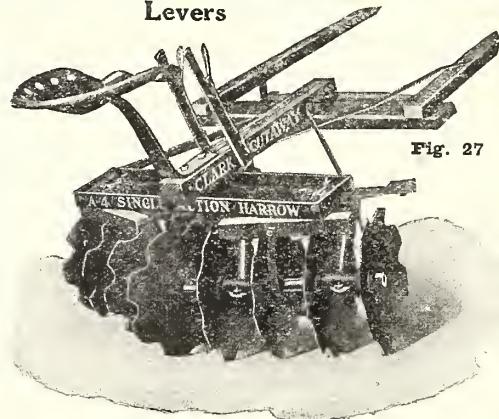
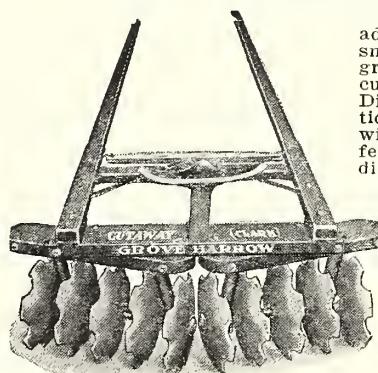


Fig. 27

5% Discount for Cash.

Clark's One-Horse Cutaway Harrow

This harrow is especially adapted to the needs of small farmers and fruit growers. It has ten 14-inch cut-out steel discs. A six Disc Harrow is not practical on account of the width. This Harrow cuts 4 feet and overcomes that difficulty.



No. of Machine	No. of Discs	Diam. of Discs
*O-5	10	14

Width of Cut	Hitch	Shipping Weight
4 ft.	1-H	169

Price
\$31.75

5% Discount for Cash.

Fig. 28

Clark Reversible Single Action Cutaway Harrow

All Cutaway Single Action Harrows are reversible. If you will observe the illustration you will see that the "dish" of the discs is out, and consequently the soil is moved outwardly. To reverse this harrow, you simply disconnect the lever links from the gang frames and swing the gangs around on the king bolts until what were formerly the outer discs become the inner discs, and reconnect the links. In this latter position the discs will throw the soil inwardly.

Like those on all other Cutaway implements, the discs on this harrow are the famous Clark cutlery steel discs forged sharp. This feature partly accounts for the remarkably long service always given by Cutaway disc implements.

No. of Machine	No. of Discs	Diam. of Discs	Width of Cut	Hitch	Shipping Weight	Price
A-6	12	16	6 ft.	2-H	315	\$52.00

5% Discount for Cash



Fig. 29





ROSS BROS. CO.

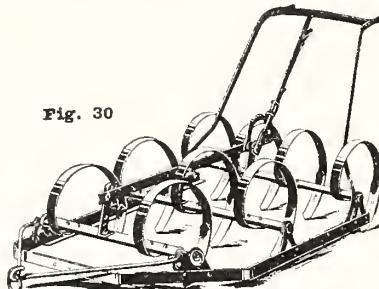
Seeds and Implements



McCormick-Deering One-Horse Vineyard Harrow

This harrow is particularly adapted for small fields, orchards and nurseries where a large two-horse harrow cannot be used. The main frame is of angle steel bent up at the front so that it passes over obstructions easily. The tooth beams are placed high and made of pipe of sufficient dimensions to make them both light and strong. The teeth are placed on the tooth bars so that trailing is impossible. Each tooth does its full share of the work. Weight, 126 lbs. Price \$17.00. 5% cash.

Fig. 30

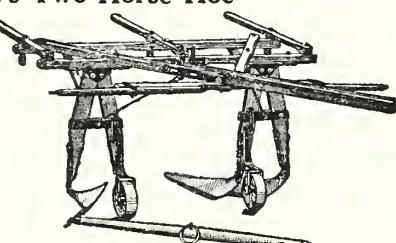


Prout's Two-Horse Hoe

Each standard, as shown in the cut, has two hoes attached, and, in working, one set of hoes work on one side of the hill and the other on the opposite side, hoeing a row at a time. The hoe operates the same as a hand hoe, moving fresh earth to the plant and crowding the old dry earth away from the plant. The hoes, being made

tapering, permit of cutting close up to the plant without injury to corn roots which run close to the surface. Price, with wheels, weight 120 lbs., \$35.00; price, no wheels, weight 110 lbs., \$30.25. 5% discount for cash.

Fig. 31



Dixie Wonder Cultivator

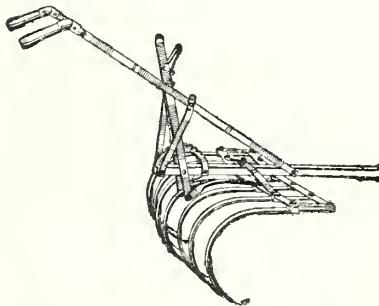


Fig. 32

5% Discount for Cash.

Dixie Wonder can be adjusted to throw the soil to the rows or away from them. This is done by pulling the outside teeth forward or backward as desired. Dixie Wonder is an excellent soil mulcher and weed killer. The teeth are mounted on flat steel bars, pivoted at the beam. Teeth are adjusted by means of levers or by a movable hook, according to the style ordered. With wheel, \$10.25.

Meeker Smoothing Harrow

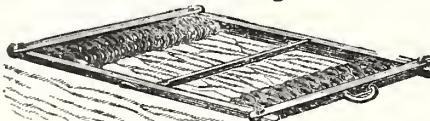


Fig. 33

This consists of a frame with four sets of rollers and 58 steel discs, which work between each other. The discs grind all lumps very fine and mash small stones below the surface better than any field roller.

4 ft. 6 in. x 4 ft. with 8 in. discs.....	175 lbs.	\$33.50
6 ft. 8 in. x 6 ft. with 8 in. discs.....	200 lbs.	37.50
6 ft. 8 in. x 6 ft. with 8 in. discs.....	300 lbs.	47.50
6 ft. 8 in. x 6 ft. with 10 in. discs.....	250 lbs.	45.00
8 ft. x 6 ft. with 10 in. discs.....	350 lbs.	55.00

5% Discount for Cash.

McCormick-Deering Two-Horse Harrow

There is a harrow made for every kind of work, and the spring tooth has its place and should be on every farm. It will take hold and pulverize where other makes have failed. The action of the teeth breaks all lumps and leaves a fine seed bed.

15-tooth \$25.00
17-tooth 26.75

5% Discount for Cash.

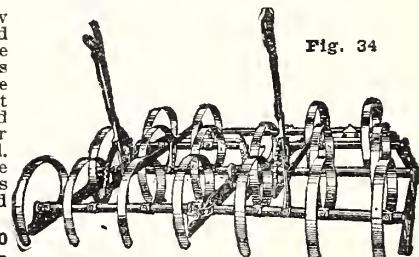


Fig. 34

The Original Perry Spring Harrow



Fig. 35

For durability it is equal to any harrow made. The wood frame is lined with carbon steel. Bolt heads are protected. The teeth cannot get loose. Used among rocks and stumps which would soon break any other harrow to pieces. Price, 16 teeth, \$19.50. 5% Discount for Cash.

McCormick-Deering Spike-Tooth Smoothing Harrow

Designed as a leveling harrow and for covering all kinds of grain and grass seed; also largely used for cultivating corn and potatoes just after they come up. The teeth are adjusted by means of a lever and can also be thrown up from the ground

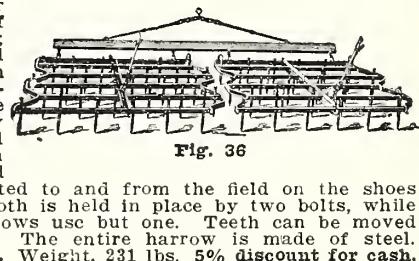


Fig. 36

and harrow transported to and from the field on the shoes at the end. Each tooth is held in place by two bolts, while nearly all other harrows use but one. Teeth can be moved down as they wear. The entire harrow is made of steel. Price, 60 teeth, \$23.50. Weight, 231 lbs. 5% discount for cash.

The Bolens Power Hoe

EOLENS Power Hoe is different from any other garden tractor that you have seen or heard about.

It has a patented arched axle to straddle the row and pass over plants 14 to 20 inches high without damage.

It has a simple and wonderful tool control to cultivate closely in straight or crooked rows. You simply guide the tractor and the tools follow the row.

It has a differential drive to make turning easy and is equally at home in small or large gardens. You can start or stop instantly without stopping the motor.

It has gauge wheels to regulate the depth of cultivation. All you do is guide the tractor and regulate the speed.

It has offset handles so you walk between the rows in a natural position.

The wheels have deep traction lugs to give plenty of pull from the 1½ horse power motor although the tractor weighs but 200 pounds.

Ask for price.

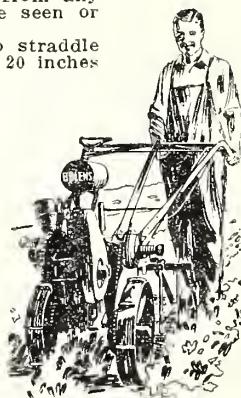


Fig. 37

EVERYBODY KNOWS Ross' Seed Grows

McCormick-Deering 4-Pivot Axle Riding Cultivator No. 251

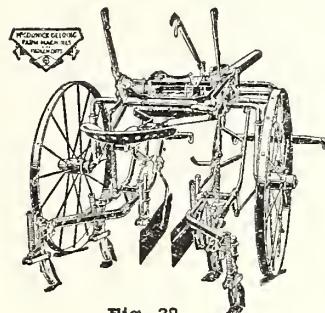


Fig. 38

This cultivator runs on ball bearings, gangs are always parallel; cultivating depth is controlled by levers, draft direct to the gangs. It is equipped with 8 double pointed shovels and trip slotted shanks. This style is especially adapted for the Eastern States. Can be adjusted from deep to shallow work, wide and narrow cultivation, without leaving the seat. Equally good on Corn, Potatoes, Peas, Beans, etc. A boy who can handle a team can do clean cultivating with this implement. Weight, 508 lbs. Ask for price.

McCormick-Deering 5-Tooth One-Horse Cultivator

This cultivator has 5 steel teeth, expanding width from 12 to 25 inches. Frame is high to clear trash and is good length, which enables it to run steady. Each standard has 3 holes for adjusting. Equipped with adjustable wheels and expanding lever. Weight, 79 lbs. Price, \$10.50.

5% Discount for Cash



Fig. 39

Centennial Crown Cultivator

This Cultivator has five three-inch points, long Wings and Lever, is a Horse Hoe, Cultivator and Coverer combined. The simplicity and fewness of parts and its unique and very efficient Expansion Lever are among the reasons for its popularity.

Price, \$15.00

5% Discount for Cash

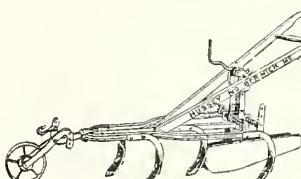


Fig. 40

The Goslee Improved Marker

Adjustable Tooth, Spreads 2 to 4 ft.

This machine is designed to mark out rows of any width, and in doing so it makes a furrow suitable for planting. Price, \$19.75.

5% Discount for Cash

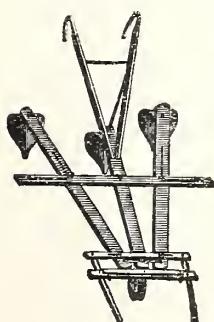


Fig. 41

All prices in this catalogue are subject to change without notice.

Spring Tooth Cultivator

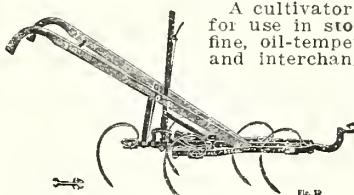


Fig. 42

A cultivator that is especially adapted for use in stony ground. The teeth are fine, oil-tempered springs, and are alike and interchangeable; they are also adjustable for angle and depth. Has expanding lever, five spring teeth and wheel. Price, \$10.00.

7 Tooth Spring Cultivator, \$11.25.

5% Discount for Cash

Spike Tooth Cultivator

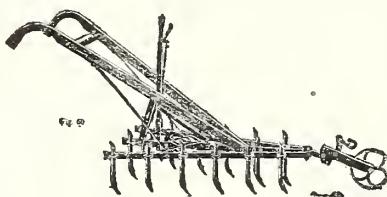


Fig. 43

This cultivator and harrow is particularly designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level, thus conserving moisture.

Price, \$9.75

5% Discount for Cash

McCormick-Deering Hoosier Fertilizer Drill

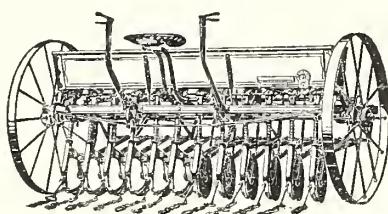


Fig. 44

By the use of a Grain Drill you decrease the quantity of seeds used and increase the yield. Every seed is properly planted, which is just as necessary as with any hood crop. The increased yield, even if it is only a few bushels per acre, will well pay for the interest on the drill. Ask for complete catalogue showing the Hoosier. Space does not permit of our describing it in detail.

No. 11-7—Single Disc Fertilizer Drill with pole, 1,078 lbs.

Grass Seed attachment.

Ask for Price.

McCormick-Deering Hoosier No. 3 Lime Sower

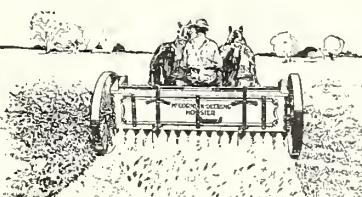


Fig. 45

A big strong and reliable implement for spreading lime on sour soils. It is the most practical machine of its kind because it broadcasts the lime close to the ground where the wind has no chance to blow it away. A wire screen is part of the regular equipment to keep large lumps from clogging the feed openings. The strongly bolted hopper has a capacity of 8 bushels and two additional bushels in the screen. By reason of the various adjustments it is possible to spread from 42 to 3,435 quarts of ground lime rock per acre. It is 8 feet wide. Weight 735 lbs.

Ask for Price.



ROSS BROS. CO.

Seeds and Implements



McCormick-Deering Potato Planter

This Machine plants a greater range of seed, both as to size and shape, than ever before and handles it with the least possible friction or wear. In lieu of the cumbersome wooden structure, a galvanized hopper has been substituted, which overcomes all tendency to clog or bridge with either the whole or cut seed. Both the feed and covered tension are regulated from the seat. List price, with fertilizer and attachments and disc covers, \$149.00. 5% cash. Weight 915 lbs.

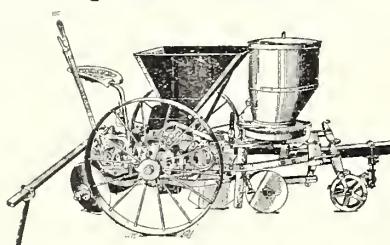


Fig. 46

Eclipse Corn Planter and Fertilizer Distributor

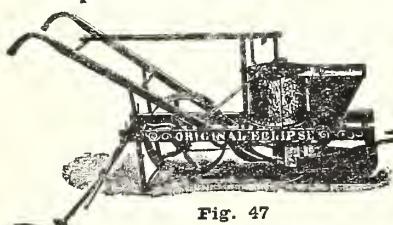


Fig. 47

Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks; it will drop 6, 12, 24 or 36 inches apart. By scattering pumpkin seeds in with the fertilizer in filling the hopper will place seeds in hills when planting corn. It accurately distributes

from 50 to 450 lbs., as desired, of commercial fertilizer, wet or dry, in the rows of hills, first drawing moist earth in the seed before the fertilizer is dropped each side of the seed, and hill is covered to a uniform depth. Price, complete, \$45.00.

5% Discount for Cash

Nonpareil Fertilizer and Lime Sower



Fig. 48

Nonpareil Sowers will distribute successfully every known kind of Agricultural Lime and Commercial Fertilizer used on the farm, providing it will pass through the screen into the hopper of the sower.

The sowers are equipped with an agitator which revolves in the bottom of the hopper, making all sowers positively force feed. This agitator is divided in the middle, it having a very strong and substantial bearing in the middle of the hopper and at both ends. This feature eliminates the use of the ratchet wheel and at the same time insures a very even distribution when turning corners.

A strong feed lever operates the feed plate. This lever passes through a quantity gauge on which there are 20 notches, each notch representing 250 pounds to the acre, so that different quantities from 100 to 5,000 pounds can be distributed to the acre by opening and closing the feed plate.

Each half of the agitator is driven direct from each wheel, so that there are no gears or sprockets to get rusty and break, thereby causing a continual annoyance to the user.

The Nonpareil Sowers are equipped with an all steel wheel with cast iron hub boxings. They are 32 inches in diameter, with 12 $\frac{1}{2}$ -inch steel staggered spokes. The tire is $\frac{1}{4}$ -inch in thickness and 3 $\frac{1}{2}$ inches wide.

Capacity, 15 bushels. Sowing swath, 8 feet. Weight, 435 pounds. Price, \$60.00.

5-foot Orchard, 1-Horse, \$60.00.

5% Discount for Cash

"King of Cornfield"

Corn, Bean and Pea Planter and Fertilizer Distributor

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or 4 $\frac{1}{2}$ or 9 inches from the corn, as desired. The fertilizer may be put with the corn and left out of the beans, if desired to do so. Price, \$45.00. 5% Discount for Cash.

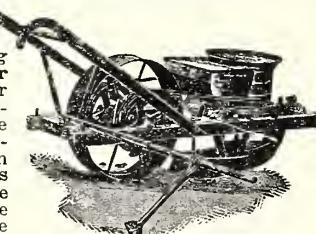


Fig. 49

McCormick-Deering Two-Row Corn Planter

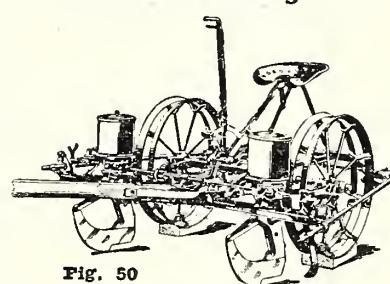


Fig. 50

Is especially adapted to our New England condition. Will plant in drills or hills and is adjustable for rows from 28 to 44 inches apart every 2 inches. The fertilizer cans are placed up out of the way of the driver and do not interfere with the working of the machine. Feed tubes lead from the fertilizer cans to the rear of the regular runners and deposit the corn hill. When the runners are raised the entire machine is thrown out of gear and marker raised. Price quoted upon application.

Farmer's Friend Fertilizer Sower

Attaches to any ordinary farm wagon and sows to perfection grass and grain seeds of all kinds and in any desired quantity per acre, 50 to 100 acres a day. It also distributes all dry commercial fertilizers; also ashes, land plaster, lime, etc. It has positive feed and an adjustment opening the holes from $\frac{1}{4}$ to $1\frac{1}{2}$ inches, which allows the sowing of seeds of any size; the flow can be shut off anywhere, either on one side or the other, or altogether, as required; it is instantly thrown in or out of gear. Price, complete to attach to wagon, \$16.00.

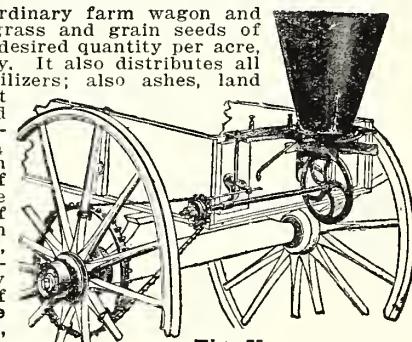


Fig. 51

McWhorter Hand Fertilizer Sower

This fertilizer sower can be instantly changed so that the stream is divided from one into two or more streams, and thus be applied beside one, two or more rows of plants at the same time. The spouts or channels through which it passes to the ground open and close, so that starting with a width of about 4 inches, the spread can be gradually increased to 30 inches. This is especially adapted for top dressing strawberry beds and lawns. Price, \$21.00.

EVERYBODY KNOWS Ross' Seed Grows

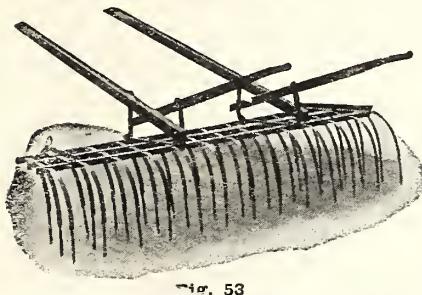


Fig. 53

The Worcester Weeder—The Farmer's Best Friend

One of the indispensable articles on any farm where horse cultivated crops are grown, or where corn or grass seeds are sown. This weeder is made of high carbon angle iron steel, teeth attached to frame with bolts are held tight by a spring steel lock washer. This is the best implement made for preparing a seed bed and will pay for itself in one season. In cultivating corn it should be used just before the crop is up and immediately after. Destroys the weeds, but does not injure the crop. **Price, \$16.00.**

5% Discount for Cash

Wood Beam Shovel Plow

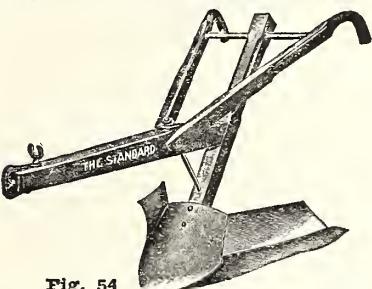


Fig. 54

Very handy for furrowing out rows and for hilling up. All parts strong and well braced and very durable.

Price, \$5.50

Steel Beam, \$5.75

5% Discount for Cash

Automatic Hand Corn Planter

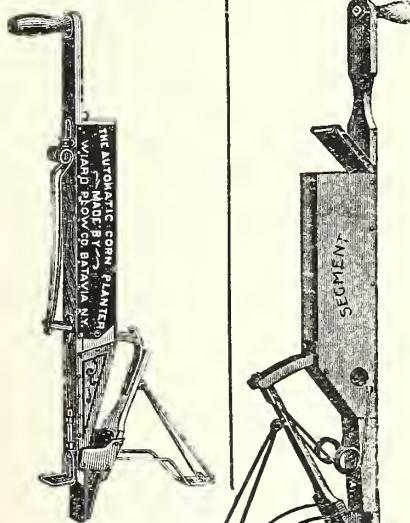


Fig. 55

Very handy for replanting and for small gardens.

Price, \$2.75

Mailing wt., 5 lbs.

The Segment One-Hand Corn Planter

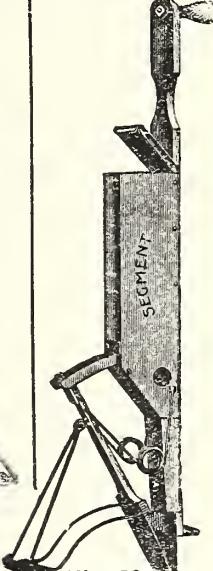


Fig. 56

Lightest, most accurate, strongest and most up-to-date planter on the market. All parts are interchangeable.

Price, \$2.00

The Worcester Horse Hoe and Hiller with Steel Wings



Fig. 57

The best implement made for furrowing, covering and hilling potatoes and similar crops. The steel covers or wings can be adjusted for making any style of hill desired in furrows of uniform width. All potato growers know the value of this tool and none of them attempt to get along without it. It is necessary to cover young plants completely when just out of the ground. The steel wings are made of best crucible spring steel. **Price, \$13.00.**

The Worcester Horse Hoe and Furrower with Disc Wings

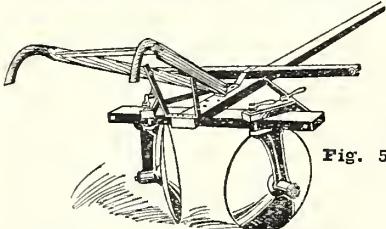


Fig. 58

This implement is the same as the Worcester Horse Hoe and Hiller, with exception of discs, which are used in place of steel hillers or covered wings. They are adjustable and by many are preferred to the steel hillers. All potato growers should have one of these two implements. These discs are made of best crucible steel and will last for a long time. **Price, \$15.00.**

Cahoon's Improved Broadcast Seed Sower

Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet from each side of the operator); lighter seeds, of course, will not be thrown so far. **Price, \$4.25. 8 lbs.**

See Inside Front Cover of Catalogue for Parcel Post Rates.

Fastest of All Grass Seeders

Thompson's Seeder

For Broadcasting Grass, for sowing Red Top, Clover, Timothy and all Mixed Seeds. Light, strong and simple.

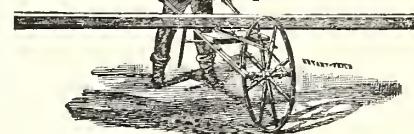


Fig. 59

Sows uniformly the whole length of the hopper. Weight, 45 lbs. This is really the Greatest Grass Seeder made today. Not a toy, but a strong and durable implement specially designed and adapted to its use, 14 feet long. Over two hundred thousand are now in use on the farms of this country. It will sow easily 40 acres per day. So close to the ground that the wind can never blow the seed away.

Seeder No. 5. Sows Clover, Timothy, Hungarian Millet, Alfalfa, Chaffy Seeds, like Red Top, Orchard Grass and Kentucky Blue Grass. **Price, \$15.00**

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. Fits No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. **Price, \$10.00.**

No. 5 Seeder and No. 4 Grain Box. **Price, \$25.00.**

The Cyclone Broadcast Seeder

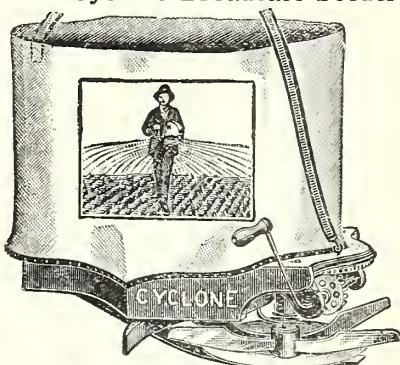


Fig. 60

Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. **Net price, \$2.25. Mailing weight, 2 lbs.**

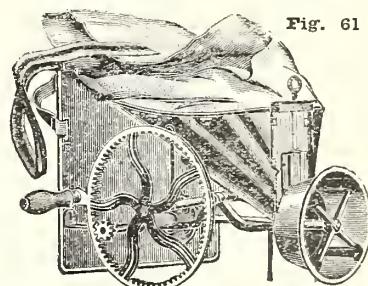


Fig. 61



Planet Jr. Farm and Garden Tools

If you are a farmer, trucker, orchardist, or suburbanite with a kitchen garden, there is a Planet Jr. made for your special need. You can't afford to work without a Planet Jr. 72-page **Planet Jr. catalog** free. Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow

Price, complete, \$18.00
As a Seeder only
(No. 4D), \$14.25

This tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 and 24 inches apart, or in drills. No time is lost. No seed is wasted. By removing the seeder parts and substituting the

Fig. 62

tool frame, you have a first-class single wheel hoe. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

Price, \$21.50
Holds 2 1/2 quarts of seed.

Fig. 63

A splendid combination for the family garden, onion grower, or larger gardener. It is a perfect seeder, and combined double and single wheel hoe.

No. 11 Planet Jr. Combined Double and Single Wheel Hoe, Cultivator, Plow and Rake

Price, with Attachment as in cut, \$13.75

14-inch Steel Wheels
Steel Frame

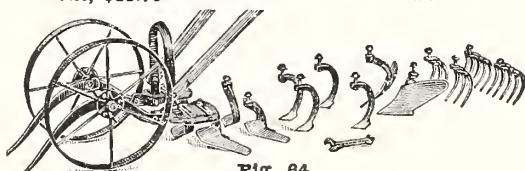


Fig. 64

A single and double wheel hoe in one. Straddles crop till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Price, \$10.75

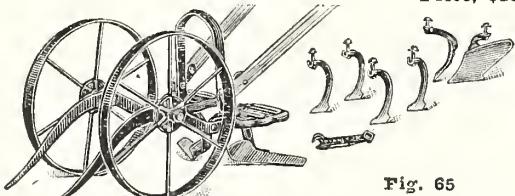


Fig. 65

This tool is identical with No. 11 Double Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters only. They are what gardeners use most, and the others can be added as wanted.

All prices in this catalogue are subject to change without notice.

No. 3 Hill and Drill Seeder

Price, \$17.50

Made for the market gardener or farmer who has a good size garden. Hopper holds three quarts—enough to plant about one-quarter acre in seed. Plants practically all vegetable seeds in straight, narrow, continuous rows or dropped in hills 4, 6, 8, 12 or 24 inches apart. Marks the next row at the same time. Seed control and shut-off located at top of handle, making easier operation.

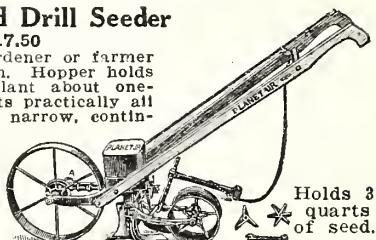


Fig. 66

No. 5 Planet Jr. Hill and Drill Seeder

Price, \$20.00. 16 1/2-inch steel driving wheel. Holds 5 quarts. No. 5 is undoubtedly the best seeder we make for market gardeners, onion set growers and other large planters. The style of construction is the same as in No. 3, the valuable mechanical features being common to both.

No. 300 Drill Seeder

Price, \$20.00

A plate seeder originally designed for use on muck land, but built for service in light or heavy soil. Only three plates, each one with thirteen holes, making ample adjustment for various seeds. Plates can be shifted from one hole to another in a couple of seconds and plates changed in a minute or so. Hopper holds four quarts and is removable which makes easy filling and emptying.

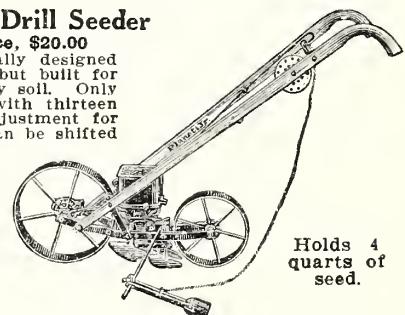


Fig. 67

No. 16 Planet Jr. Single Wheel Hoe

Price, \$9.00



Fig. 68

The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

No. 17 Planet Jr. Single Wheel Hoe

Price, \$7.75



Fig. 69

No. 19 Planet Jr. Single Wheel Hoe

Price, \$6.00

This attractive implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations.

Fig. 70



EVERBODY KNOWS Ross' Seed Grows

PLANET JR. FARM AND GARDEN TOOLS

No. 119 Planet Jr. Garden Plow and Cultivator

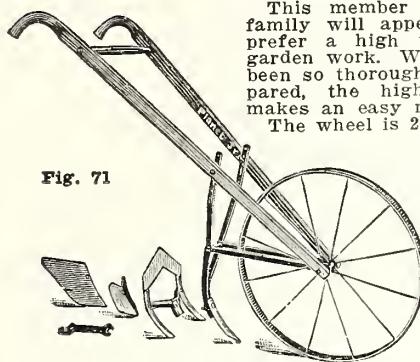


Fig. 71

This member of the "Planet Jr." family will appeal to all those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared, the high wheel undoubtedly makes an easy running tool.

The wheel is 24 in. in diameter with a rim 1 1/2 in. wide, insuring easy running in the lightest soil.

The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher priced Wheel Hoes are not required. **Price, \$4.75**

Fire-Fly Garden Plow

Price, \$4.25

This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken raisers find it of great advantage in plowing up their scratching yards. It will throw a furrow four to six inches wide and one to three inches deep.

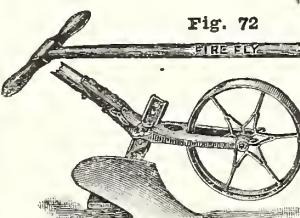


Fig. 72

Star Cultivator, Weeder and Pulverizer

An improvement over the old style pulverizer. Light, easily handled. Very useful in flower gardens where plants are close. The star wheels break up the soil and the oscillating blade pulverizes it, and also cuts off the weeds directly beneath the surface. Used as a cultivator after a rain, this tool will not leave the ground in a lumpy condition. **Price, \$3.00.**



Fig. 73

Planet Jr. Double Celery Hiller

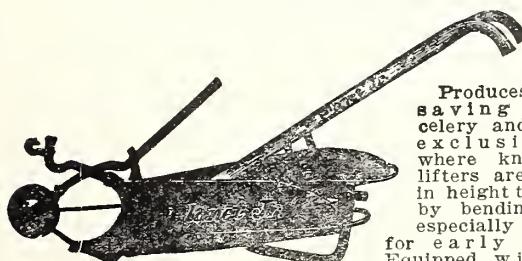


Fig. 74

Hilling blade is 43 inches long, adjustable in width or height as wanted. Works all rows up to four feet apart. Before hilling, the soil should be thoroughly loosened with a horse hoe. **Price, \$27.50.**

Planet Jr. No. 2 Grass Edger



Planet Jr.

Fig. 75

Every one who uses a lawn mower should have a Planet Jr. No. 2 Grass Edger. The cutting blade is made of the best quality steel and well sharpened. The handle is strong, being made of good quality wood. In order to have attractive lawns, keep the edges well trimmed. There is no better tool for this purpose than the Planet Jr. No. 2 Edger. **Price, \$1.60.**

No. 8 Planet Jr. Horse Hoe

Price with cast wheel, \$16.00

Stronger, better made and capable of a greater variety of work than any other cultivator made. Non-clogging steel wheel. Depth regulator and extra long frame make it run steady.



Fig. 76

The No. 7 Horse Hoe is the No. 8 without the depth regulator. It works the same as No. 8 in every way except that it lacks the steadiness and easy control of depth made possible by the depth regulator. **Price with cast wheels, \$15.50.**

No. 9 Planet Jr. Horse Hoe

Price, with Cast Wheels, \$14.00

Is identical with No. 8 except that it has no depth regulator, and has a plain wheel instead of lever wheel.

Planet Jr. No. 82 Horse Hoe and Cultivator

Price, \$15.75

A very popular machine because of the large amount and great variety of work that can be done with it. Finishes rows up to 42 inches apart and works the middle complete at one passage. Zig-zag frame is particularly strong and the seven teeth insure fine and thorough cultivation. In addition to regular equipment, other widths of cultivator teeth, sweeps, furrowers and turning shovels can be added.

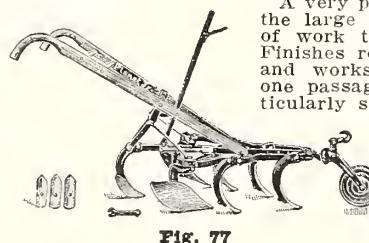


Fig. 77

No. 90 Complete, with Cast Wheel

\$16.75

Weight, packed, 74 lbs.

No. 90E (without Pulverizer), \$13.50.

No. 91 (with wheel), \$12.50

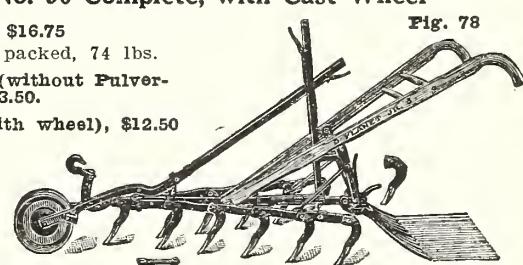


Fig. 78

A valuable tool in the market garden, truck and strawberry patches. Has new steel wheel which prevents clogging. Its 12 chisel-shaped teeth cut out all weeds, stir and mellow the soil and leave the ground in the finest condition without throwing dirt on plants.



ROSS BROS. CO.

Seeds and Implements



McCormick-Deering Vertical Lift Mowers

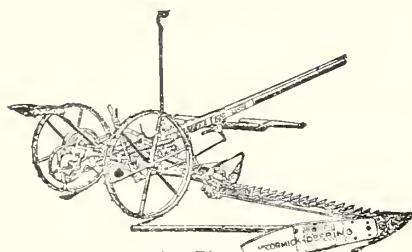


Fig. 79

This mower, so well known by the farmer in general, is particularly adapted for New England use. It is made in rugged shape to stand the local conditions and the vertical lift which we sell especially in McCormick mower is recognized as a great addition to the hay tool line in general.

The main lifting lever is equipped with automatic locking device.

Equipped with tongue, neckyoke, whiffletrees, and two knives.

5-ft.

745 lbs.
815 lbs.

.....
.....

Ask for Price

McCormick-Deering Vertical Lift One-Horse Mower

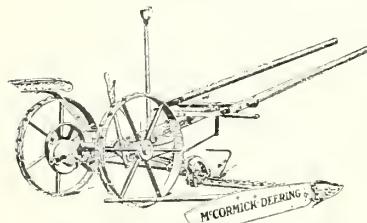


Fig. 80

The McCormick-Deering vertical lift one-horse mower is a practical machine for the farmer who has small acreage of hay to cut. It is especially suitable for the truck farmer, the poultry farmer, the man who has large premises or yards; for use in large lawns, parks, orchards, cemeteries, golf grounds, etc.

4 ft., 600 lbs. Ask for Price.

Mowing Machine Sections

We have these sections or knives for every machine, including the Deering, McCormick, Worcester, Buckeye, Adriance Buckeye.

Per box of 25 sections \$1.65.

Sections rivets, 25c per lb.



Fig. 81

McCormick-Deering Steel Frame Rake

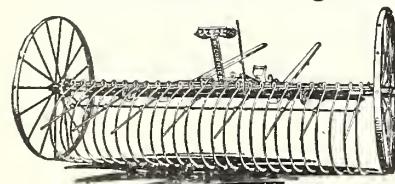


Fig. 82

This rake is made to supply the demand for an all-steel rake. We believe that it is the best of the entire lot. It is a horse dump-rake. Strength and simplicity are two features of its construction.

8 FT.
25 TEETH. Price,
\$45.00.
5 per cent Cash



Fig. 83

Yankee Hay Rake

24 TEETH

This is the old reliable Yankee, which needs no introduction. It is a very easy rake to operate, each tooth being independent; it will pass over large stones without breaking the teeth. It is so easy to operate that a child can handle it. Ask for Price.

All prices in this catalogue are subject to change without notice.

McCormick-Deering Windrow Hay Loader

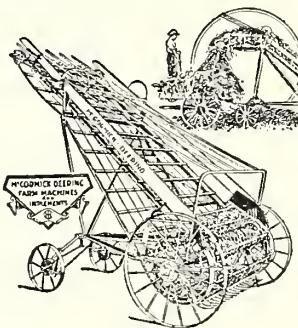


Fig. 84

This Loader is built principally of steel and is made to last. A Hay Loader is just as essential as a side delivery rake for the economical handling of hay. It does quicker and better work and at the same time saves labor. The McCormick-Deering Loader enables you to keep ahead of the weather. The loader can be detached from the wagon by the driver simply pulling a rope extending to the top of the load which enables him to drive to the barn, while the next team picks up the loader. Weight, 910 lbs.

Ask for Price

McCormick-Deering Combined Side-Delivery Hay Rake and Tedder

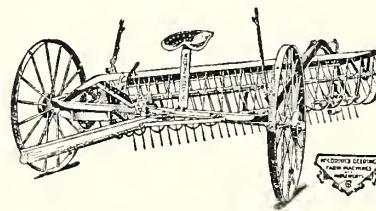


Fig. 85

The left hand delivery of the Keystone combined side delivery rake and tedder allows you to follow the mower closely and rake the hay before the leaves begin to wilt. This is practically the same construction as the regular Keystone Side Delivery Rake, which does not have the reversing mechanism for tedding that this machine has. The

teeth strike the head of the hay first and rake much cleaner, and turning the hay into a neat, airy windrow, where the air gets an equal chance at stems and leaves. Air cured hay is better than sun-dried hay.

The left-hand delivery deposits the windrow on the clean stubble and not on the unturned swath, as in the case of the right-handed rake. Weight, 991 lbs. Ask for Price.

McCormick-Deering Hay Tedder

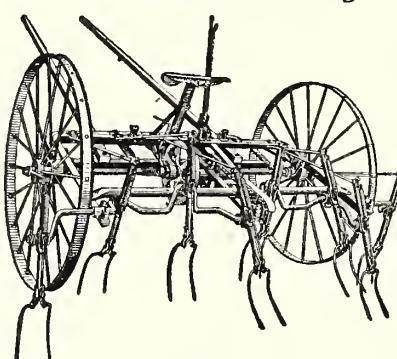


Fig. 86

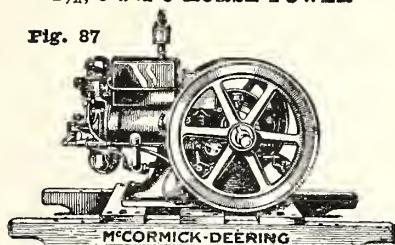
This is the neatest and most substantially built steel frame hay tedder on the market. It has a solid steel axle and on stony ground we recommend this to any other tedder. We believe an entire steel tedder made like this one will outlast any other tedder on the market today. It has two levers, one throwing in and out of gear and one for raising and lowering the forks for uneven ground. It has combined pole and shafts so it can be used for either one or two

horses. It is the best steel-frame hay tedder on the market—six forks. Ask for Price. Weight, 578 lbs.

EVERYBODY KNOWS Ross' Seed Grows

McCormick-Deering Type M Kerosene Engine
1½, 3 and 6 HORSE POWER

Fig. 87



MCCORMICK-DEERING

Here are some of the good points. When taken apart the engine is in ten units or groups of parts, so that any trouble can be easily detected and remedied. The base crank case and cylinder water-jacket are cast in one piece. This means perfect alignment of parts. There are three openings into the crank case that give access to every part. The crank case can be drained of oil. This means a clean engine. The piston has four rings that hold compression perfectly. The connecting rod has wide, thick bearings. The mixer adjustments are so simple that the engine can be operated by an inexperienced person.

1½ Horse Power, Weight 350 lbs.....	\$ 68.75
3 Horse Power, Weight 494 lbs.....	114.00
6 Horse Power, Weight 890 lbs.....	177.50
10 Horse Power, 2000 lbs., 5% cash.....	368.00

Ross Tilting Table Wood and Pole Saw

The above will give you an excellent idea of the high type of these saws. They are made of good material throughout and are built in a thoroughly workmanlike manner in every respect. The arbors are of steel, the bearings long and well babbited. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner. It has a tilting table pivoted so that it balances perfectly, and is therefore a great favorite with the sawyer. Weight, 275 lbs.

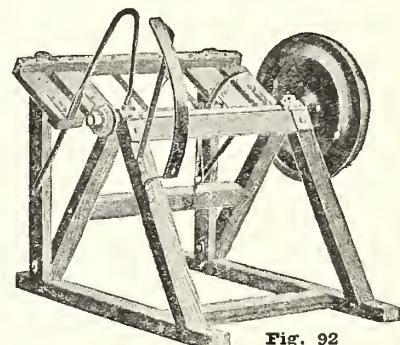


Fig. 92

TILTING TABLE WOOD SAW FRAME with 95 lb. balance wheel, less saw.....	\$24.00
TILTING TABLE POLE SAW FRAME with 95 lb. balance wheel, less saw.....	32.00
20 inch	\$4.10
22 inch	4.80
24 inch	5.75
26 inch	6.65
28 inch	7.85
30 inch	8.90

Victor Tubular Steel Frame Grind- Stone

With Foot-
Treadle and
Seat

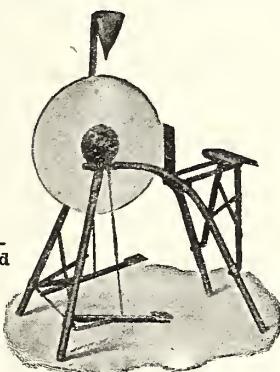
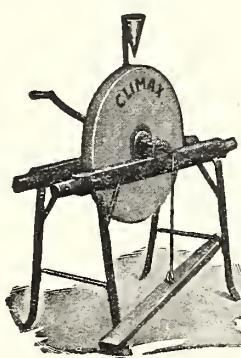


Fig. 88

Adjustable seat, 4 to 5 inches, vertically. Stone movable forward and back on frame. Frame being slightly flexible, it adjusts itself to uneven floors or surfaces. Rigid and easily set up. Bi-treadle with power properly applied. Hinged connection with ball-bearings on crank. Ball-bearings in journals. Frame is narrow at top, making it convenient to apply power, and spread at base, giving greater rigidity. Crated complete, stone protected. Made in one size about 100 lb. stone. Price \$9.50.

Wilcox Mounted Grind- Stone

Fig. 89



This is the best low-priced grindstone on the market. The stone is best Berea Grit (Ohio), the legs are iron which will not rot if left out during haying; the wood sidepieces are painted bright vermilion. Runs on ball-bearings, and every stone warranted to run true.

No. 1, about 100 lbs.....	\$9.00
No. 2, about 120 lbs.....	9.25
No. 3, about 135 lbs.....	9.75

Hecla Wood Frame Mounted Grind-Stone

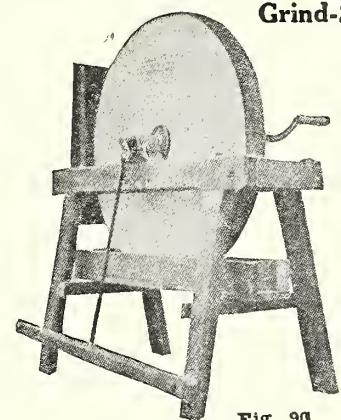


Fig. 90

The stones in these are best Nova Scotia Grit, mounted on heavy hardwood frame. It pays to buy a good article.

24x2	\$21.50
24x3	26.25
26x1½	26.50
26x3	28.50

All Emperor Rakes Have Combination Thills for One or Two Horses

Among the many valuable features of the Emperor are:

A double-trussed frame that prevents all sagging of frame or axle.
A hand lever that cannot change position when the foot dump is used.
A revolving steel axle and positive dump that cannot get out of order.
A dumping ratchet provided with flanges that strengthen the axle.
A reversible dump dog of hardened steel than can be changed to four different positions should any wear occur.

A cam action for releasing the dog, which drops the teeth without shock or noise.
A flexible joint by which the teeth may be held down to their work or carried high for any distance with the same foot.

The tooth head is so attached to the axle that the teeth keep their places and rake clean, going up or down hill, no matter how steep.

The teeth are so hung in the head that they can be taken out and put in with the least trouble; are flattened and have chisel points that will not dig, take up least dust, offer least resistance, and reduce the draft.

We furnish **short teeth** at end to keep hay out of wheels and hooks to keep hay from rolling, when so ordered.

Adjustable seat, secure foot rest, best selected material, steel axles and truss rods, hickory cleaners, and wheels of our own make, with round felloes and clipped joints.

Price, \$45.00.

All prices in this catalogue are subject to change without notice.

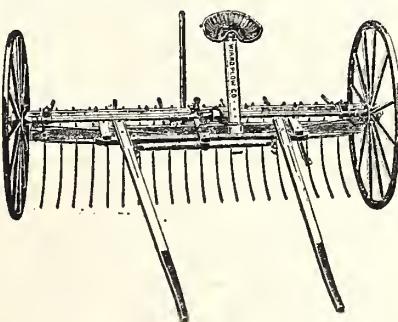


Fig. 91



ROSS BROS. CO.

Seeds and Implements



McCormick-Deering Ensilage Cutter

"A Safety First" ensilage cutter with a boiler plate fly wheel. This type of boiler plate, wheel is especially strong, insuring safety at all speeds. The feed throats on this machine are high as well as wide, giving the machine a very great capacity, so arranged that the fans blow straight up the pipe.

Extra set of knives packed with each machine. Come regularly equipped, with straight knives, but curved knives can be furnished on special order. Knives and cutter bar instantly removable.

On skids, G, \$257.00; F, \$205.00. 5% discount for cash. Mounted, G, \$284.00; F, \$230.75. 5% discount for cash.

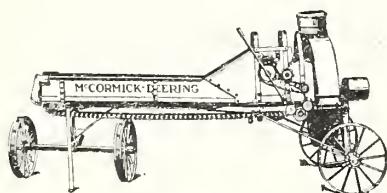


Fig. 93

	Diameter of Fly-wheel	Diameter of Fly-wheel Shaft	Width of Feed Throat	Height of Feed Throat	Lengths of Cuts	SPEED Rev. per Minute	Power	Capacity	Approx. Weight
								(Same for both cutting and shredding) (Based on $\frac{1}{2}$ " Cut)	1,500 lbs.
Type G	36"	1 $\frac{3}{4}$ "	11"	5 $\frac{1}{2}$ "	$\frac{3}{8}''$ - $\frac{1}{2}''$ - $\frac{3}{4}''$ - $\frac{7}{8}''$	800-900	10-15 H.P. Gas or Kerosene	10-12 Tons Per Hour	On Truck, -1,180 lbs.
Type F	30"	1 $\frac{3}{4}$ "	9"	3"	(Two knives) $\frac{1}{2}''$ - $\frac{13}{16}''$ - $\frac{3}{4}''$ $\frac{15}{16}''$ - $\frac{9}{16}''$ - $\frac{3}{4}''$ (Four knives) $\frac{1}{2}''$ - $\frac{13}{16}''$ - $\frac{3}{4}''$ - $\frac{1}{4}''$ $\frac{7}{32}''$ - $\frac{3}{16}''$ - $\frac{1}{4}''$	800-1000	4-6 H.P. Gas or Kerosene	3-6 Tons Per Hour	On Skids, -925 lbs. These are weights with conveyor, hand feed, about 50 lbs. less

The McCormick Corn Binder

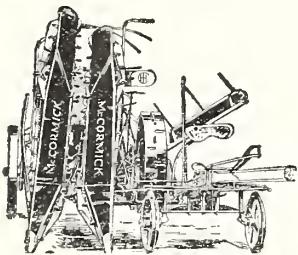
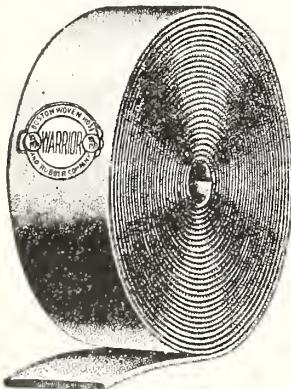


Fig. 94

is no waste and you always get a neat job when you use the McCormick. The binder can be set up any desired height. The distance between the gathering points on the corn binder is 22 inches. This will enable anyone to follow the row without missing a single hill.

Complete catalogue showing the McCormick line in detail will be mailed on request. Weight, 1,610 lbs. Ask for price.

Red Warrior Heavy Service Belting



Red Warrior Belting has been developed from long-continued tests and experiments under severest conditions of actual use, to anticipate the rapidly growing demand for a high quality red rubber belt.

The body is of 32-oz. closely woven duck with a 22-lb. friction binder. Red Warrior conquers the foes of efficient power transmission. It is made for the hardest kind of service.

PRICE

4 in.	4 ply	50c per ft.
5 in.	4 ply	60c per ft.
6 in.	4 ply	70c per ft.

All prices in this catalogue are subject to change without notice.

The McCormick Corn Binder picks up down and tangled corn. There is bound to be some down corn in practically every corn field. The storms and wind will blow it down and it is sometimes badly twisted and tangled. Corn in this condition is difficult to handle either by hand or by machine. The McCormick is especially adapted for that particular class of work. It cuts and binds into even sized bundles. It is equipped with elevator chains which help especially to pick up down corn. There

is no waste and you always get a neat job when you use the McCormick. The binder can be set up any desired height. The distance between the gathering points on the corn binder is 22 inches. This will enable anyone to follow the row without missing a single hill.

To make cows pay we must feed both liberally and economically. The two principle elements of the dairy ration are carbohydrates and protein. The best and cheapest source of carbohydrates is good silage. Alfalfa and clover are the best sources of protein. In these two feeds we have a dairy ration in a balanced and succulent form.

Thirty years ago Harder developed the original and continuous opening front round stave Silo. From that time to now Harder Silos have been known by farmers everywhere as "The Bulwark of the Paying Dairy." In order to merit this confidence of the dairy public certain qualities have been maintained throughout the years. A Harder Silo must be so completely air tight that it will produce sweet, succulent ensilage from every pound of fodder placed in it. A Harder Silo must be so sturdy that it will withstand wind and weather for a long period of years without work or worry on the part of the user. A Harder Silo must be so easy and simple of operation that it will lighten the labor of the dairyman and his helpers. Send for complete catalogue.

The Harder Silo

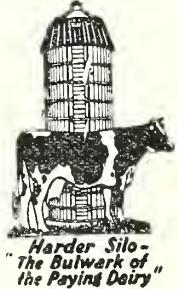


Fig. 95

Blizzard Blowers With Traveling Table

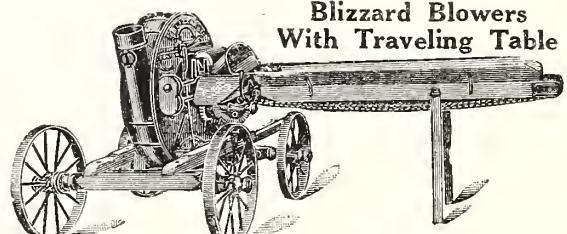


Fig. 97—Wheel Mounted Truck, \$40.00

This illustration shows Blizzard Cutter and Blower with self-feed table. The endless apron is composed of two steel chains on which are riveted hardwood slates. These chains are propelled and travel over sprocket wheels secured to a separate shaft directly in the rear of the lower feed roll. The bearings on this shaft are made adjustable, to take up the wear on the drive. The lower feed roll and the traveling table are driven from the same shaft, each by its own sprocket wheel and chain. This device reduces the strain on the drive chain to a large extent. This machine can be operated successfully with a smaller amount of power than any similar cutter of the market.

Length of Knives	Capacity	H.P.	Speed	Weight	Deflectors
L18-11 in.	4-6 tons	3 $\frac{1}{2}$ -5	900-1100	700	\$200.00
No. 400-13 $\frac{1}{2}$ in.		8-10		1250	235.00

5% Discount for Cash

EVERYBODY KNOWS Ross' Seed Grows

No Barn Is Complete Without One of These Horse Hay Fork Fixtures

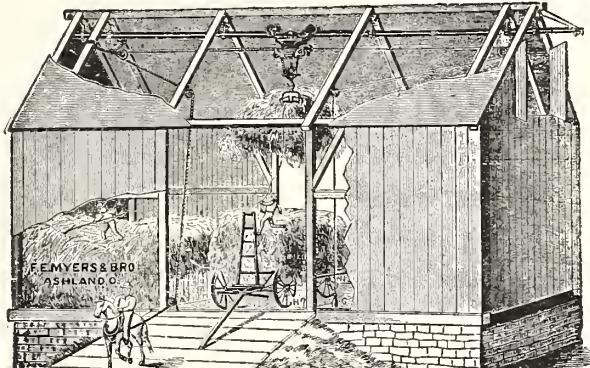


Fig. 98

Reversible Steel Track Hay Carriers

These carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, we will name you price for complete job.

Fig. A.	Double Steel Track, per ft.	\$ 0.25
Fig. B.	Hanger Hook, per doz.	2.25
Fig. C.	Pulley Hook, per doz.	2.25
Fig. D.	Hay Unloader, each	10.25
Fig. E.	Knot Passing Pulley, each	.70
Fig. F.	Two-tine Harpoon Fork, 25 inch, each	2.50
	31 inch, each	2.75
Fig. G.	Four-tine Grapple Fork	10.50
Fig. H.	Six-tine Grapple Fork	12.00
Fig. I.	Rafter Bracket, per doz.	1.00
Fig. J.	Jointed Hanger Hooks, per doz.	3.00

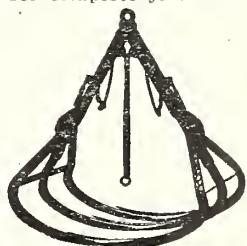


Fig. H

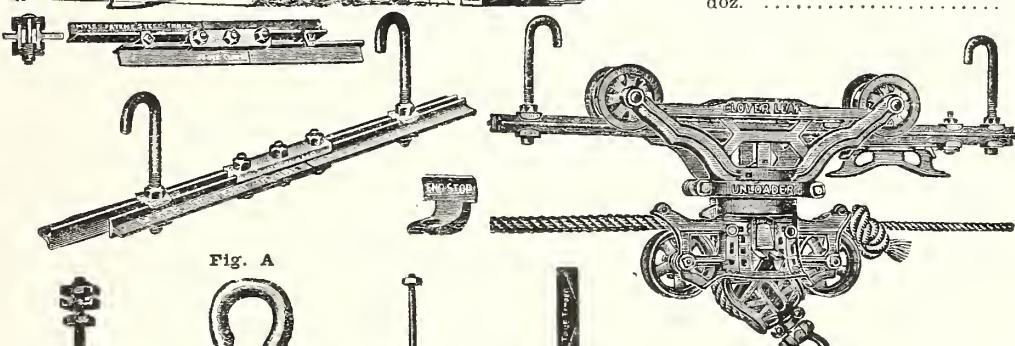


Fig. A



Fig. B



Fig. C



Fig. J



Fig. K

Fig. K—Three Tine Hay Forks

	Price
No. 133B	\$ 1.15
No. 133½B	1.15
No. 134B	1.20
No. 134½B	1.25
No. 135B	1.30
No. 144B	1.30
No. 144½B	1.35
No. 145B	1.40

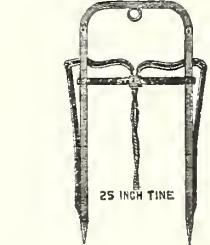


Fig. F

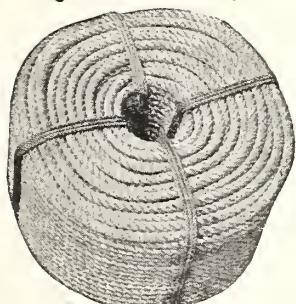


Fig. 99

Pure Manila Rope
Coils about 50 lbs. each.

	1 Lb. Equals	Price
1/4-inch	55 feet	22c
5/16-inch	27 feet	32c
1/2-inch	13 feet 4 in.	31c
5/8-inch	7 feet 6 in.	30c
3/4-inch	6 feet	29c



Fig. I

Lightning Hay Knife

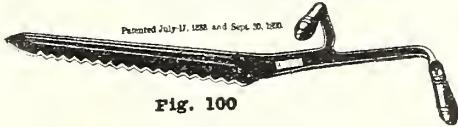


Fig. 100

Each \$2.00

Put up six balls to bale.

Market Price.

Tarred Lath Yarn

In coils of about 50 lbs., wound
in rope form. Each rope contains
130 ends. Used in tying corn and
for various other uses.
Per lb. 22c

Terms may be arranged for extended credit should our customers so desire.



ROSS BROS. CO.

Seeds and Implements



McCormick-Deering Knife Grinder

It is poor economy to operate a mower with a dull knife, for it racks the machine and worries the horses. The Deering grinder is so arranged that the emery wheel sharpens two mower sections at once and preserves the correct bevel. For grinding out nicks the degree of pressure which enables the operator to control the action of the wheel and the pressure. The knife is firmly held in place by clamps and may be easily removed from section to section of the wheel; grinds any make of knife. Price, \$5.75.

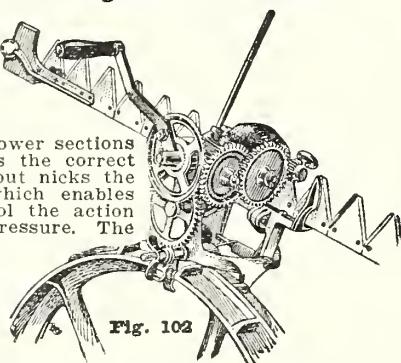
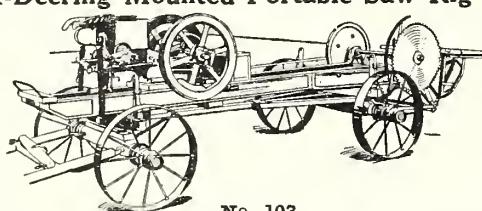


Fig. 102

McCormick-Deering Mounted Portable Saw Rig

This outfit makes an ideal equipment to use for home work or for going out sawing wood. The engine is mounted on Worcester Farm Truck with steel wheels, fitted with tilting table saw mounted on the rear. The balance wheel on the saw may be taken off for sawing long wood. Each equipment is fitted with 5-in. 4-ply rubber belt and belt tightener and is operated by handle with latch. This prevents belt from slipping. A convenient seat directly in front of the engine with foot rest. Easy to travel on the road. A first-class engine. Can be furnished with any size engine, but 6 H. P. is the usual size for sawing wood and general farm work.

All complete with 6 Horse Power engine, belt, etc., ready to use, \$335.00. 5% discount for cash.



No. 103

Chip Egg Boxes

(3x4)

Handy for Retail Trade

Wt. Price	
Dozen	2 lbs. \$0.15
Bundle of 125. 12 lbs. 1.00	
Per 1,000	7.50

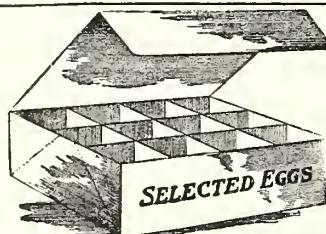


Fig. 104

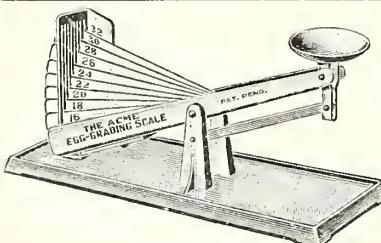


Fig. 105

operate it. By placing an egg in the cup the beam will automatically adjust itself. The lowest visible number on the blades will indicate the weight in ounces of one dozen like eggs. Hence this egg should be placed in a carton, or case, which is properly marked for that particular grade of eggs.

Price—\$3.00, Weight, 2 lbs.

The **Acme Egg-Grading Scale** is made entirely of aluminum, which makes it rust-proof and practically indestructible. Every part is accurately made and carefully tested and will meet the requirements of any state bureau of weights and measures.

The operation of this scale is so simple that a child can automatically adjust itself. The lowest visible number on the blades will indicate the weight in ounces of one dozen like eggs. Hence this egg should be placed in a carton, or case, which is properly marked for that particular grade

All prices in this catalogue are subject to change without notice.

Barnes' Worm Emulsion builds the general health and vitality of the birds at the same time it is destroying the worms and worm eggs, and because the worms and worm eggs are absorbed and assimilated by the digestive juices of the bird, there is no contamination of other birds as is possible by the expelling method. Worms are often present in flocks that are apparently in a normal state of health and giving a fairly good egg yield, but when the worms have multiplied and filled the intestinal tract so that there are digestive disorders and an irritated condition of the intestinal lining, mal-nutrition and low vitality will be noted by a paleness of the head and legs, loss of flesh (even though the birds are eating heartily) and a general unthrifty condition. The droppings may contain numbers of worms.

Prices—1 qt., weight 4 lbs., \$1.00; 1 gal., weight 12 lbs., \$3.00; 5 gal. keg, \$12.50.

Send for circular on **Common Sense vs. Worms**.



Fig. 106

The Putnam Brooder

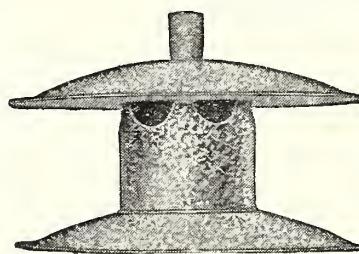


Fig. 107

This little article makes the best little brooder in the world. Stove costs \$4.75. With the stove we will furnish directions for building. Anyone can make this brooder out of a shoe box in a little while.

A shoe box, a few nails, this stove and an hour's time gives you a brooder which will serve you as well as any other on the market. Weight, 6 lbs. Stove \$4.75

Aluminized Metal Egg Crate

FOR PARCEL POST

have proven itself by constant use to be the most practical. Ideal for shipping eggs, butter and other farm products by parcel post.

It is practically egg-break-proof.

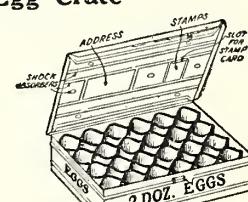


Fig. 108

Reversible Address Card

placed under the lid provides for going and returning addresses, making the Crate intermailable between two parties. This eliminates readressing for each shipment. Stamp slips are also provided, so that shipper may pay and place postage for the return mailing.

Postage is no more than for other Egg Carriers.	Price
1 dozen size—all eggs, 1 $\frac{1}{4}$ pounds.	\$1.00
1 $\frac{1}{2}$ dozen size—all eggs, 3 pounds.	1.25
2 dozen size—all eggs, 3 pounds.	1.50
3 dozen size—all eggs, 4 pounds.	1.75
4 dozen size—all eggs, 5 pounds.	2.00
6 dozen size—all eggs, 6 pounds.	2.50
9 dozen size—all eggs, 8 pounds.	3.25
12 dozen size—all eggs, 10 pounds.	4.00

Price on combination butter and egg crates quoted on application.

EVERYBODY KNOWS Ross' Seed Grows

The Newtown Coal Burning Colony Brooder

The Newtown Coal Burning Brooder is constructed on scientific principles. Has a heavy metal facing around the fire bowl which prevents Chicks from getting burned. Has a double bottom, all parts securely bolted and cemented together. Built to last a lifetime. It has a large heating surface and a large fuel capacity, and a self-feeding coal magazine. The magazine holds sufficient coal to last from twenty-four to thirty-six hours. Has a special revolving draw center grate which cannot become clinker-clogged. Has both direct and check draft, controlled by an automatic regulator, which makes an absolutely even fire. The automatic regulator is so arranged that it cannot come in contact with the Chicks or be molested in any way. Special arrangement of the draught openings insures a constant change of air beneath the deflector.

We have three sizes: No. 7, suitable for a house 6x8 to 10x12, which can accommodate two or three hundred Chicks. No. 11, designed more especially for two-room colony houses, but can be used in any single room, would take care of five hundred Chicks.

	Diameter of deflection	Weight crated	Size of smoke pipe	Price
No. 7	48 in.	140 lbs.	3 in.	\$25.00
No. 11	50 in.	195 lbs.	4 in.	32.50
No. 12	56 in.	280 lbs.	5 in.	40.00

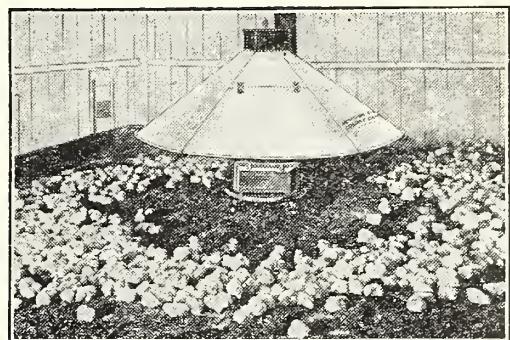


Fig. 109

The "Master Breeders" Chick Box

The box is well ventilated—built to offset acute weather changes. Partition boards on both 50 and 100 chick sizes are made full height to add greater strength to the box and to prevent chicks from crowding over the top, becoming squeezed and injured.

No. S25. 25 chick size, 9x11x5½ deep, one compartment, weight 12 lbs. per doz. bundle. Per doz. \$2.00. each 25c.

No. S50. 50 chick size, 18x11x5½ deep, two compartments, weight 16 lbs. per doz. bundles. Per doz. \$3.00. each 30c.

No. S100. 100 chick size, 18x22x5½ deep, four compartments, weight 30 lbs. per doz. bundle. Per doz. \$3.50. each 35c.

Furnished complete with staples—for assembling.



Fig. 110

X-Ray Egg Tester.....\$0.40
45c Postpaid



Fig. 112

Poultry Killing Knife

Price each, \$0.50. Postpaid, 55c.

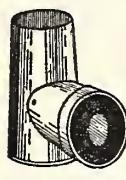


Fig. 111

Reliable Brass Wafer Thermostats

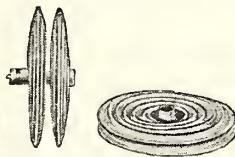


Fig. 113

For any Incubator or Brooder. Made in both the single and double unit style. They are made of a special tempered brass, vacuum filled and timed to meet their special requirements, so that each and every wafer under a like condition will function the same. They are sensitive, accurate and durable.

The double wafer has a solid post between the two units, making each unit separate and independent of the other, so that should one of the units become damaged, the other would continue to function, thus giving double protection.

Price, postpaid, 3-in., 50c; 4-in., 65c; 5-in., \$1.10.

BABY CHICKS

Beginning March 15 we can furnish the following breeds at Market Price. White Wyandottes, White Plymouth Rocks, Rhode Island Reds, Barred Plymouth Rocks.

Chicks delivered by Parcel Post from Worcester or direct from the hatchery. The breeds mentioned are what we recommend, but we can furnish almost any other breed from the hatcheries.

Write for prices on breeds and quantities.

Reliable Standard Coal Burning Colony Brooder

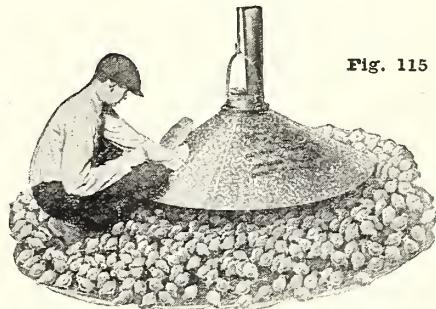


Fig. 115

No.	Size of Canopy in.	Capacity	Ship Wt.	
			Hgt., in.	Complete, lbs.
9	42	500 or less	22	80 \$14.75
10	52	1,000 or less	26	106 18.50
12	60	1,200 or less	26	122 22.50

Roof Saddles

Roof saddles for installing Coal Burning Brooders. Made of galvanized steel to fit either side of roof. Rain cap is included, but not fastened to saddle, allowing adjustment of outside pipe to any height wanted.

3-inch with Base Plate 11x12".

Mailing weight, 5 lbs.

4-inch with Base Plate 11x12".

Mailing weight, 5 lbs.

5-inch with Base Plate 11x12".

Mailing weight, 5 lbs.

Price, 3 and 4 in., 85c each; 5-in., \$1.00. Add for postage.

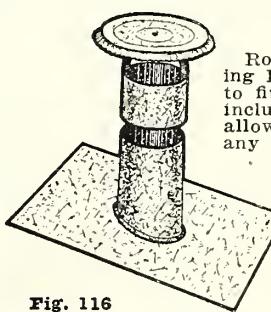


Fig. 116

Fig. 114



Husky Day Old Chicks

Guaranteed safe arrival when shipped direct from our hatchery.

Every indication points to a large increase in the poultry industry for 1929, and we see no reason why there should not. Our advice is to get your order in early for day-old chicks and not be disappointed the way many were last year, not being able to get their orders when wanted.

ROSS BROS. CO.

Seeds and Implements



Duplex Fount

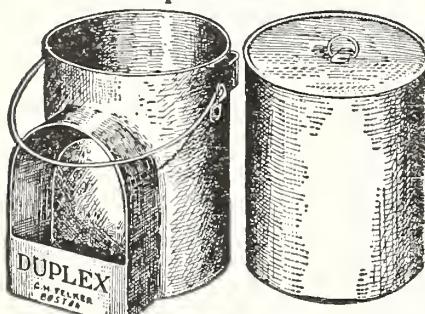


Fig. 117

Perfectly sanitary. Made of heavy galvanized iron. Take off the top, fill it, put on the lower part and you have a fount that will keep your flock healthy. Tends to keep water cool—summer and does not freeze readily—winter.

4 qt. \$1.15 each, wgt. 3 lbs.; 8 qt. \$1.40 each, wgt. 4 lbs.

DUPLEX TWIN FOUNTAIN (two outlet hoods), 8 qt. \$1.65. Wgt. 4 lbs.

Round Baby Chick Feeders



Fig. 118

12 hole each. Wgt. each 2 lbs. 20 cts.
8 hole each. Wgt. each 2 lbs. 10 cts.



Fig. 119

12 in., Double Trough	30 cts.
18 in.	45 cts.
24 in.	60 cts.
10 in. Trough for feeding butter-milk	.25 cts
20 in. Trough for feeding butter-milk	40 cts.
Mailing weight 3 lbs.	

Leader Fountain

A new Sanitary Fountain, practical to use, easy to keep clean.

A saving of from 30 to 40% over any fountain of its size.

1 1/2 gal. Mailing wgt. 5 lbs. Price, 85 cts.

3 gal. Mailing weight 8 lbs. Price, \$1.40.



Fig. 120

The "Insulated Duplex" Non-Freezing Fountain

The extra large opening, or drinking trough, which this fountain carries makes it easy of access to a number of fowls at the same time.

An entirely new and improved method of insulation enables this fountain to keep water at an even temperature the coldest day of winter and the hottest day of summer.

3 gal. \$4.50

Wgt. 20 lbs.

4 gal. \$5.00

Wgt. 23 lbs.

Wall Fount

4 qt. \$0.90

Wgt. 2 lbs.

8 qt. \$1.10

Wgt. 3 lbs.

Fig. 122

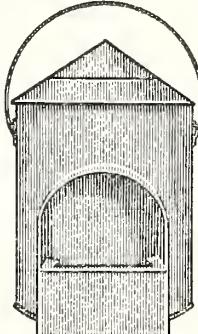


Fig. 121

Norwich Chick Feeder



Fig. 123

20 in., without rain top, wgt. 2 lbs. \$0.75
20 in., with rain top, wgt. 3 lbs. 1.00
Add postage for your zone.



Fig. 124

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instruction so full and explicit that anyone will be able to perform the operation. Capons are worth \$1.00 to \$1.50 more than cocks not Caponized. They are very much quieter in disposition.

Complete with instructions, \$4.00. We send book, "Complete Guide for Caponizing," with every set.

Farmer's plain set in pasteboard box, \$2.75. Postpaid.

Peerless Fount

Take off bottom to fill.

1 qt. 45 cts., wgt. 1 lb.

5 qts. 90 cts., wgt. 3 lbs.

10 qts. \$1.25, wgt. 4 lbs.

Fig. 125



Star Chick Feeder and Fount

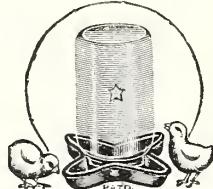


Fig. 126

1 qt. 25 cts.

2 qt. 35 cts.

Price, each, 10 cts.

4 qt. 50 cts.

15 cts. Postpaid.

Mailing wgt. 2 lbs.

Fig. 127

1 qt. 25 cts.

2 qt. 35 cts.

Price, each, 10 cts.

4 qt. 50 cts.

15 cts. Postpaid.

Mailing wgt. 2 lbs.

Sexton's Dry Feed Hopper Open

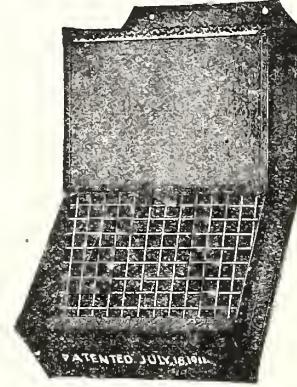


Fig. 128

Pronounced to be the best hopper offered. Construction, easily operated and absolutely "Rat" and "Mouse" Proof.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same and by raising the top cover the lower cover will fall in place.

This Hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed, as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste.

Price, No. 2, 3 qt. \$1.10, 3 lbs. Price, No. 1, 12 qt. \$1.50, 5 lbs. Price, No. 5, 24 qt. \$2.40, 7 lbs.

Earthen Pigeon Bowl

All pigeon fanciers recommend this style of bowl for their coops.

Per doz. \$2.00

Each 25

Wgt. each, 4 lbs.

Fig. 129



See inside front cover of catalogue for Parcel Post rates.

EVERYBODY KNOWS Ross' Seed Grows

Lawn Park Coops

THE LAWN PARK COOP SAVES THE CHICKS

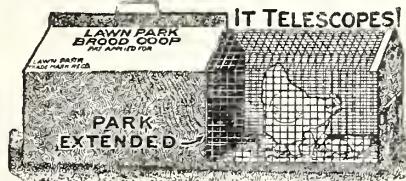


Fig. 130

Park Extended

The wire park pulls out like a bureau drawer and is made from heavy galvanized hardware cloth. The main coop is made from strong 28 gauge galvanized iron. Size of coop, when park is fully extended as shown in cut, is 18 inches wide, 19½ inches high and 48 inches long. When park is closed it is 24 inches long.

A small door is provided to let small chicks only have full range as desired.

Protect the chicks from hawks, rats, weasels, vermin, cold, storms, etc. Give proper ventilation and sanitation. Price, each, \$3.75. Three for \$10.00.

Worcester Oat Sprouter

It pays to feed green stuff in winter. With this mechanical device green feed can be given to the poultry at all times. The tray contains five sprouting pans with a bottom drip pan full of sprouted oats each day and replacing this same pan with a fresh supply of oats, the new shoots from one to four inches high can be supplied to the fowls daily, giving a never failing supply of green feed.

Endorsed by all the poultry raisers and egg producers. Price, \$6.00.

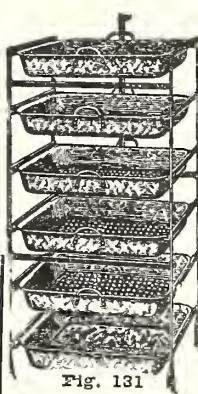


Fig. 131

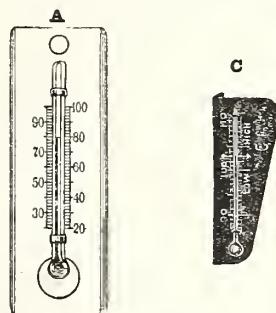


Fig. 132

A Brooder Thermometer, 75 cts.
C Cypher's Incubator Thermometer, 75 cts. Add 5 cts. for postage.

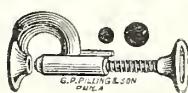


Fig. 133

Any number of combinations can be obtained with one of these punches. 35 cts. Postpaid 40 cts.

Felker's Handy Attachment

To be used with any make of Fruit Jar
A PERFECT FEEDER.

For Sour Milk, Water, Hard Grain or Grit. The Container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The HANDY is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the HANDY fits them all. Price 25 cts. Mailing weight 2 lbs.



Fig. 134

Poultry Punch

A poultry punch for marking baby chicks. Punches a clean hole in the web between the toes that will not bruise the foot. Guaranteed to work perfectly. 25 cts. each. Postpaid 30 cts.



Fig. 135

See inside front cover of catalogue for Parcel Post rates.

Large Capacity Feeder

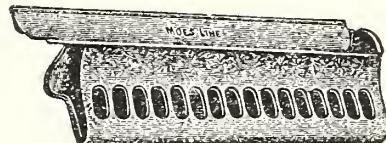


Fig. 136

No. 140—Chick Feeder, each..... \$1.10

No. 140W—Same as above but with wide rain cover..... 1.30

A fine feeder for growing stock, and a great time and labor saver. Has a total of 32 feeder holes. Sliding top, easy to fill and clean. Capacity, 10 quarts; length, 21 inches.

No. 141—The same style, but larger. Length, 35 inches. Has 54 feeder holes. Capacity, 17 quarts, each..... \$1.75

No. 141W—Same as above but with wide rain cover..... 2.15

Keystone Bottom Filled Fountain

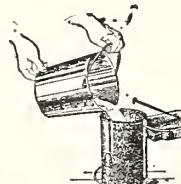


Fig. 137

We think this is one of the very best bottom filled fountains on the market. Has a patented device so that the bottom can be hinged back by unfastening the hook. Can be cleaned, filled, hooked back and also hung up or set on the floor to be used for drinking. Comes in four sizes.

1 quart, weight 2 lbs..... \$0.60

2 quart, weight 3 lbs..... .80

4 quart, weight 3 lbs..... 1.05

8 quart, weight 4 lbs..... 1.50

Junior Chick Feeder

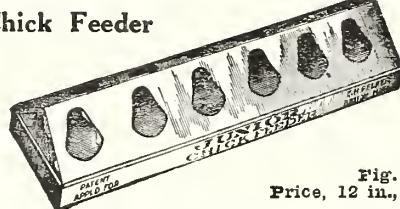


Fig. 138

Price, 12 in., each 25 ots.

Mailing weight, each 2 lbs. 20-in., each 40 cts.

Celluloid Bands

5 sizes—No. 5 Baby Chicks, No. 3 Leg-horns, No. 2 R. I. Red Rocks, No. 1 Turkeys, etc.

Black—White—Pink—Red—Yellow.

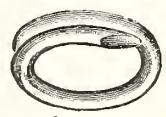


Fig. 139

	Doz.	100	1,000
No. 1	\$0.15	\$0.75	\$6.00
No. 2	.15	.75	6.00
No. 3	.15	.60	5.00
No. 5	.15	.50	4.50
	Postpaid.		

CHAMPION LEG BAND

Fig. 140



Very light weight. Per 100, 75 cts.; doz., 15 cts. Numbered 1-100. Postpaid.

The Putnam Stove

This little stove, 9x4 inches, works wonders in cold weather. Keeps water warm in the poultry house in the coldest weather. In order to have eggs in the winter time, hens must have plenty of water. They will not drink as much cold water as warm. Costs only from 20 to 35 cents to operate during the winter. Stove \$1.95.

Mailing weight 3 lbs.

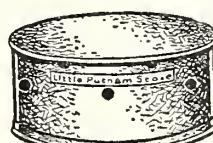


Fig. 141

EVERYBODY KNOWS Ross' Seed Grows Pratts Poultry Regulator and Remedies Buttermilk Baby Chick Food

For Health and Eggs

Pratts Poultry Regulator

has no equal. It is the world's original poultry regulator and has been the standard for over 50 years. It is a natural tonic supplying numerous health necessities required by heavy laying hens. Tones up systems, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year round for breeders, layers and growing stock.

Weight 4 lbs., 50 cts., \$1.40 packages, weight 12 lbs.; 25-lb. pail, \$3.00; 100-lb. drum, \$10.00.

Pratts Powdered Lice Killer

is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dust-baths, nests, etc. Rids poultry of all ages, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers.

In sifter top cans at 25 cts. and 50 cts.
30 cts. and 60 cts. postpaid.



Prices subject to change without notice.

DR. HESS Poultry and Stock Preparations

Prescriptions of Dr. Hess (M.D., D.V.S.).

Dr. Hess Poultry Pan-a-ce-a

makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for 30 hens per day. 1½ lbs. 25c, 5 lbs. 75c, 12 lbs. \$1.50, 25-lb. pail \$3.00.

Guaranteed



Dr. Hess Stock Tonic

Improved—with Minerals
Added

A Conditioner and Worm
Expeller

By promoting health it makes hog raising, dairying and stock feeding more profitable. Provides the most efficient, most economical, and least bothersome method of treating hogs for worms.



This 25lb. Pail, \$3.00

All prices in this catalogue are subject to change without notice.

When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding.

Pratts Buttermilk Baby Chick Food

A largely predigested baby food for baby chicks. Guaranteed to raise every liveable chick. Helps to prevent leg weakness, white diarrhea, "pasting up" and other chick diseases.

The cost per chick for three weeks is about one cent. If by using Pratts Baby Chick Food you can save five more chicks out of one hundred than you formerly did, considering these five chicks at three weeks of age as worth at least one dollar, your food has cost you nothing and you have five more husky chicks.



Pratts Roup Tablets (or Powder)

Use it as a treatment or a preventive. A simple, powerful remedy with a long record of success in the treatment of colds, roup, diphtheria, catarrh, etc. Guaranteed to give satisfaction or your money back.

25 cts. and 50 cts. packages. 30 cts. and 55 cts. Postpaid.

Pratts Disinfectant

insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Spray it about poultry houses, roosts, dropping boards, nests and wherever a strong disinfectant is needed. A deodorizer, germicide and liquid lice killer. Effective in the treatment of roup, cold and contagious diseases.

Quart, weight 3 lbs., 55 cts.; half gallon, weight 6 lbs., 90 cts.; gallon, weight 11 lbs., \$1.50.



Dr. Hess Roup Tablets

For Roup, Diphtheria, Chicken Pox, Canker and all catarrhal diseases in poultry. Given in the drinking water. It is anti-septic, slightly astringent, non-irritating. It dries up the mucous discharges and heals affected parts.

50c and \$1.00. Postpaid, 55c and \$1.10.

Instant Louse Killer

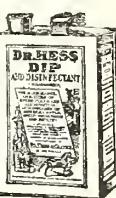
Kills lice on poultry, horses, cattle, sheep ticks; certain bugs on cucumber, squash and melon vines; slugs on rose bushes, and most lice and bugs on vegetation. Sold in sifting top cans. Look for the word "Instant" before buying. 1 lb. 25c, 2½ lbs. 50c. Guaranteed.

Dr. Hess Dip and Disinfectant

Kills hog lice, sheep ticks and other animal parasites. For general disinfecting about stables, dairy barns, poultry houses, and the household.

It is standardized, always uniform in strength. Makes a milky-white emulsion.

Price—1 qt. 3 lbs., 60 cts.; 1 gal. 10 lbs., \$1.75.



Poultry Worm Powder

Placed in the morning mash for ten days it frees your poultry of worms on full feed without shock or evil effects to the system. Repeat in three weeks to prevent reinfestation.

When used as prescribed will not check the growth of chicks or throw hens into moult or off production.

4-lb. Package, \$1.25; 1½-lb. Package, 50c.

FUL-O-PEP POULTRY FEEDS

FUL-O-PEP EGG MASH



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

FUL-O-PEP SCRATCH GRAINS



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

Oatmeal, Molasses, Cod Liver Meal in Ful-o-Pep Mashes

Hundreds of our customers tell us that Ful-O-Pep Feeds are superior for keeping their flocks in good healthy condition and maintaining heavy egg production. They tell us also that Ful-O-Pep Feeds go farther and are more economical. We recommend Ful-O-Pep Feeds to every poultryman and know that Ful-O-Pep Feeds will help him become more successful.

Ful-O-Pep Feeds are manufactured by The Quaker Oats Company, whose fifty years milling experience with their experimental work carried on by nationally known poultry experts insures the production of superior poultry feeds.

All Ful-O-Pep Mashes contain Cod Liver Meal. In brief this essential element permits correct mineral nutrition which is of highest importance in growth, good health, heavy egg production, high fertility, strong chicks and, in fact, in improving all essential organic functions.

Ful-O-Pep Mashes also contain molasses which has proved to be exceptionally good for chickens in that it is laxative, an excellent appetizer, contains some valuable mineral and is high in food value.

We consider that molasses brings additional value to Ful-O-Pep Mashes, making it possible for poultrymen to gain all the advantage of molasses without any bother.

Ful-O-Pep Chick Starter is the feed to use during the critical baby chick age. For the first few days the chick is largely sustained by the yolk it absorbed while in the shell. The Starter is mild, soft and easily assimilated—just the feed to carry on and strengthen nature's process. It has the materials for making bone, tissue and feathers, as well as for developing digestive capacity. It contains Cod Liver Oil and Cod Liver Meal, both vital factors for strong, rapid growth.

Ful-O-Pep Growing Mash: Its base is Oatmeal, which every poultry man knows cannot be equaled for growth production. To this greatest single development food there has been added special quality Meat Scrap, Fish Scrap, Bone Meal, Alfalfa Meal, Corn and Wheat Products—supplying all the elements for a perfect growing feed.

It is a matter of common comment that a large percentage of prize winners in poultry shows and many egg laying contests in recent years are Ful-O-Pep birds, raised the Ful-O-Pep Way. Ful-O-Pep Growing Mash makes them quickly develop big, sound frames, well fleshed, with glossy feathers, showing happy, healthy, vigorous condition, insuring future heavy production.

It also contains Cod Liver Meal, which is of utmost value in feeding pullets.

Ful-O-Pep Fine Chick Feed is a combination of Oatmeal, Wheat and Corn in exactly the right proportion when fed with Ful-O-Pep Chick Starter to meet the requirements of the growing chick. This feed is ground fine enough so that it does not overtax the digestive machinery of the little chick.

Ful-O-Pep Coarse Chick Feed is coarser than Ful-O-Pep Fine Chick Feed, made from just the right assortment of grains to supplement Ful-O-Pep Growing Mash.

Ful-O-Pep Scratch Grains is a balanced mixture of the choicest, highest quality Corn, Wheat, Barley, Kaffir Corn, Milo Maize, Buckwheat and Sunflower. It is a most economical and high grade Scratch Feed.

Ful-O-Pep Egg Mash: This is the "Oatmeal Mash" properly balanced with other well known egg producing feeds. Ful-O-Pep Mash also contains Cod Liver Meal, which is largely responsible for keeping the birds in strong healthy condition and maintaining heavy egg production. Ful-O-Pep Egg Mash is helping hundreds of New England poultry men make more money with their flocks.

ASK FOR FUL-O-PEP BOOK.

FUL-O-PEP CHICK STARTER



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

FUL-O-PEP FINE CHICK FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

FUL-O-PEP COARSE CHICK FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

FUL-O-PEP GROWING MASH



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

FUL-O-PEP FATTENING FEED



The Quaker Oats Company
MANUFACTURERS & DISTRIBUTORS
CHICAGO, U.S.A.

EVERBODY KNOWS Ross' Seed Grows

VERNOX. Knocks Poultry Worms. Does not harm the Birds. An effective Remedy for both Round and Tape Worms, consisting of a Special Preparation of Kamala combined with other drugs so prepared that they are not absorbed until they reach the Parts of the Digestive Tract Inhabited by the worms.

Price, Box 50 tablets.....\$1.50 Postpaid

GOLD LEAF TOBACCO POWDER FOR POULTRY WORMS.

How round worms affect poultry. Owners of poultry often do not realize the injury which may be done to their flocks by attacks of intestinal worms. The failure of young birds to develop properly, and an unhealthy condition of the older birds, is often caused by the presence in their intestines of poultry round worms.

2 lbs. Mixed with 100 lbs. of mash.....\$0.35
10 lbs. Mixed with 500 lbs. of mash.....1.00

PULVULES (Filled Capsules). Nicotine and Lloyd's Reagent. For the eradication of Round Worms in Poultry. Full directions with each package. Price, per 100 capsules, \$1.00. Postpaid, \$1.05.

LAMBERT'S DEATH TO LICE. As its name implies, it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. 15-oz. size 25 cts., 48-oz. size 50 cts., 100-oz. size \$1.00.

OLD-FASHIONED BEEF SCRAPS. Very high in protein (per 100 lbs.) \$4.50.



THE POWDER OF MANY USES

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. One pound covers 100 sq. ft.

5 pounds (5 gal.).....\$0.75
10 pounds (10 gal.).....1.25
50 pounds (50 gal.).....5.00



The powerful, clean, non-poisonous germ killer.
The new and better way to sanitation.

Based on sound scientific principles proved by war experience.

STERILIZERS

Milking Machines,
Pails, Cans, Strainers,
Cloths.

Ask for bulletins
on these subjects.

PREVENTION AND TREATMENT OF

Calf Scours.
Retained Afterbirth.
Abortion.

1-gal. jugs.....\$ 3.00
5-gal. jugs.....12.50



All prices in this catalogue are subject to change without notice.

CLINTON PIGEON FEED. It is a New England Feed, made from clean thoroughly dried grains. There is no danger in feeding Clinton Pigeon Feed. Mixed with or without corn. **Market Price.**

CRUSHED OYSTER SHELL. For poultry or chicks. 100 lbs. \$1.50.

POULTRY GRIT. Cracked in three sizes. No. 2 for poultry; No. 3 for pigeons; No. 4 for small chicks. 100 lbs. \$1.25.

Victor Egg Preservative

Enjoy summer prices of eggs in winter. A harmless preparation in granulated form, easy to handle and economical to use. Will keep eggs 2 to 3 years in as good condition as when packed if directions are followed carefully. One quart will make four gallons of solution. Price, 35 cts. Shipping weight 3 lbs.

Water Glass

A transparent liquid for preserving eggs. Comes in pints, quarts and gallons. Pint can mixed with 11 pints of boiled water will preserve from 6 to 10 dozen eggs.

This preparation is used by many in preference to the dry powder. The preservative will preserve eggs perfectly.

Price, 1 pt., wt. 3 lbs., 20 cts.; 1 qt., wt. 4 lbs., 30 cts.; 1 gal., wt. 14 lbs., 85 cts.



Keep Down Bacteria with Sterilac

STERILAC is a very powerful non-poisonous, germ destroyer, in powder form, a wonderful agent placed in your hands to kill germs and control infection. It is 45 times stronger than carbolic acid as a germicide, yet it can be used without danger of poisoning. STERILAC is not a cleaning agent and is not to be used as such.

A one-pound bottle of STERILAC will make 480 gallons of sufficient strength for dairy purposes. Each gallon of solution will cost about one and one-quarter cent. Such a solution for your milking machine will last a week, costing less than one cent per day. You can readily see it is the most economical germ killer on the market. Price:

2-oz. bottle	\$ 1.00
8-oz. bottle	2.75
1-lb. bottle	5.00
5-lb. pkg.	21.00

Add postage for your zone.

Roup—Canker—White Diarrhea

Fed in drinking water—kills the germs.
No Poison—Clean.

The new and better way to prevent poultry diseases.

Based on sound principles of disease prevention of birds, animals and people. This was proved by war experience.

Leading poultry men and authorities recommend it. Ask for bulletin 213.

Quarts	\$ 1.25
1 gal. jugs.....	3.00
5 gal. jugs.....	12.50

ROSS BROS. CO.

Seeds and Implements

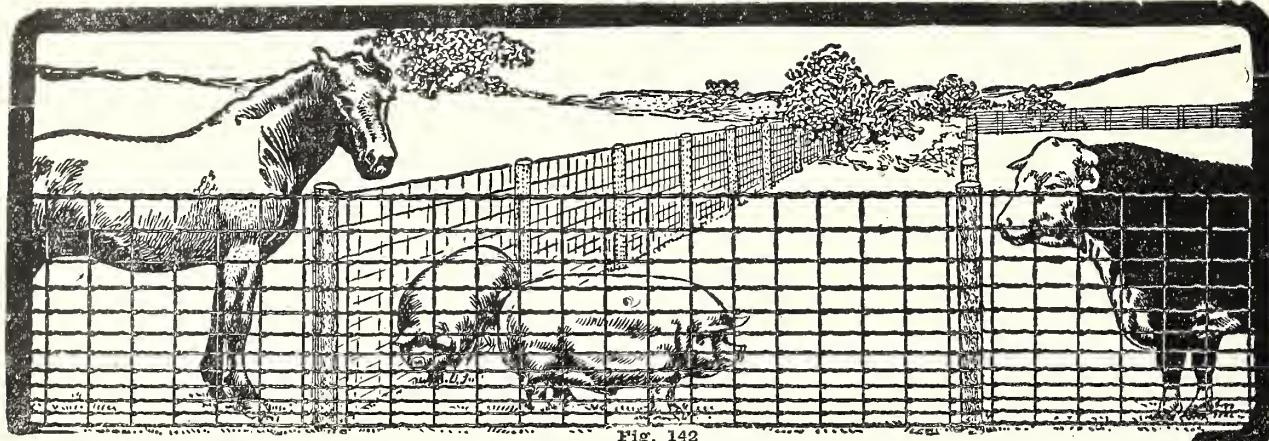


Fig. 142

A SUBSTANTIAL FENCE plays an important part of the profitable side of farming, and the neatness in appearance of a well put up wire fence adds more than double the cost of the fence to the price of the farm. They are to the farm in general what paint is to the buildings. **PUT UP FENCES** and let the hogs and other animals go after the waste places and turn into profit what would otherwise go to waste.

Our general purpose farm fence is the 1047x12, and the dimensions contained in the above figures are explained as follows: Figure 10 represents the number of horizontal wires, 47 represents the height in inches, and 12 represents the distance apart of the upright bars. The top bars are No. 9 wire, the bottom bar No. 10, and the intermediate bars and stays No. 11 wire. This makes an ideal up-to-date farm fence, strong enough for any use. It is heavily galvanized and will last for years and is much more sightly than the old ramshackle stone walls or wooden fences. When this fence is used in connection with steel posts, all of the weeds, etc., can be burned right up to the fence, which is another great advantage in keeping the field entirely free from refuse matter.

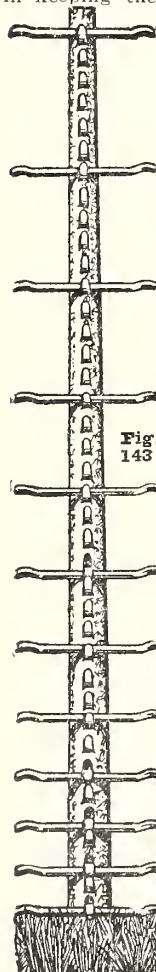


Fig. 143

American Steel Fence Posts

Too much cannot be said of the American Steel Fence Post. While the first cost of the steel post and the wood post is practically the same, the steel post can be set in about 5 minutes, while the wood posts take surely a half hour. With the American Steel Post the fence line can be burned off every year, thus getting rid of insects, weeds and rubbish. The clean farm grows the best and biggest crops and with the least labor and expense.

We carry a good stock, but the following are the best sellers:

No. 13. 7½ ft. Each.....\$0.90
No. 16. 6½ ft. Each......75

Send for complete fence catalogue giving all details.

We have a good stock on hand at all times of the following numbers:			
1047x12	10 rods	\$6.75	1047x 6
845x12	10 rods	5.75	635x12
832x 6	10 rods	7.25	10 rods
			\$9.25
			4.60

Two-Point Barb Wire

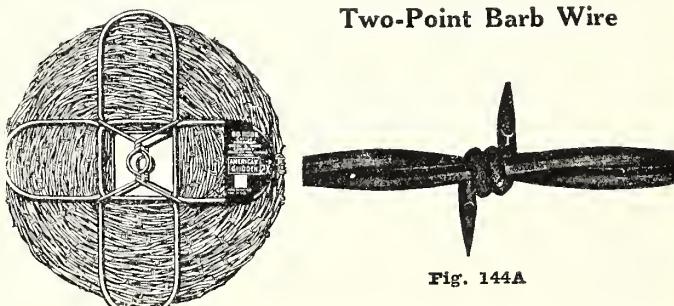


Fig. 144A

American Poultry Fence

This fence combines the same features entering into the manufacture of the American Farm Fence, viz.: the Hinge Joint, Tension Curve, amply providing for connection and expansion, and its adaptability to uneven ground, without cutting or mutilating the fence.

In comparing the price of this fence with other nettings, don't forget that you are getting a fence as strong as the regular stock fence.

Made of No. 11 and No. 14 wire. This fence is much stronger than any other fence sold as a poultry fence, the Top and Bottom Bars No. 11 Galvanized Steel Wire, Intermediate Bars No. 13 Galvanized Steel Wire, Stay Wires No. 14 Galvanized Steel Wire.

At the bottom are four spaces of 1½ in. each, the highest spaces graduated to 5 in.

Design No. of
No. Bars Height Weight 10 rods
2153 21 58 in. 129 lbs. \$8.00
1948 19 48 in. 115 lbs. 7.25

Send for special fence catalogue. promptly to those in this vicinity.

Two-Ply Twisted Wire



Fig. 144B

Four-Point Lyman Cattle, 80 rod spools, each.....\$5.00
Two-Point Cattle, 80 rod spools, each..... 4.65
Two-Ply Twisted Wire, 80 rod spools, each..... 4.50

Ribbon Wire



Fig. 145
Per lb., \$0.09½

Bale Ties



Fig. 146

We carry the 9-ft. No. 15 cross head ties in stock. We find this to be the most popular size, as it makes the most convenient bale of hay.

It is made of large tough wire.
Per bundle of 250 wires, \$3.50.

Estimates on field, farm and lawn fences all put up furnished

EVERYBODY KNOWS Ross' Seed Grows

Galvanized Poultry Netting

SUPERIOR
BRAND

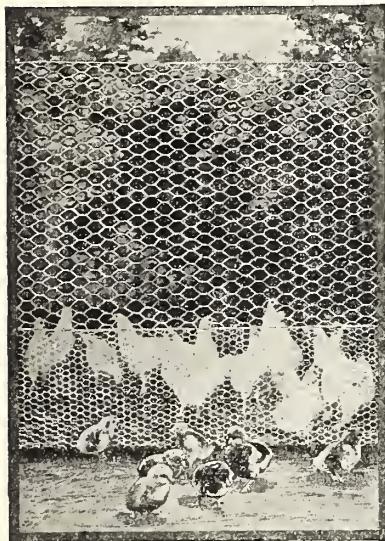


Fig. 147

PRICE FOR ROLL OF 150 RUNNING FEET

No. 19 Gauge Wire	No. 20 Gauge Wire
1 ft. 2 in. mesh..... \$1.60	1 ft. 2 in. mesh..... \$1.30
1 1/2 ft. 2 in. mesh..... 2.25	1 1/2 ft. 2 in. mesh..... 1.90
2 ft. 2 in. mesh..... 2.90	2 ft. 2 in. mesh..... 2.50
2 1/2 ft. 2 in. mesh..... 3.40	2 1/2 ft. 2 in. mesh..... 3.00
3 ft. 2 in. mesh..... 3.90	3 ft. 2 in. mesh..... 3.50
4 ft. 2 in. mesh..... 5.25	4 ft. 2 in. mesh..... 4.50
5 ft. 2 in. mesh..... 6.50	5 ft. 2 in. mesh..... 5.65
6 ft. 2 in. mesh..... 7.60	6 ft. 2 in. mesh..... 6.75
1 ft. 1 in. mesh..... 3.95	1 ft. 1 in. mesh..... 3.15
1 1/2 ft. 1 in. mesh..... 5.65	1 1/2 ft. 1 in. mesh..... 4.50
2 ft. 1 in. mesh..... 7.25	2 ft. 1 in. mesh..... 5.70
2 1/2 ft. 1 in. mesh..... 8.50	2 1/2 ft. 1 in. mesh..... 6.75
3 ft. 1 in. mesh..... 9.75	3 ft. 1 in. mesh..... 7.60

Fig. 148



Perfection Flower Bed Border

Fits any shape or size flower bed. No posts required. Bottom left straight to be inserted in the ground. Taken up in fall and used from year to year. 22-in. height, 13 cts. per ft.; 16-in. height, 12 cts. per ft.



The American Fence Tool

The best and most useful all around fence tool. It is a hammer, staple and nail-puller, wire cutter and splicing tongs, combined. The tool is drop forged from tool-steel, highly and skillfully tempered. We guarantee each tool. Wt. 3 lbs. Price, \$1.50 ea.

Perfection Trellis

A most attractive and practical flower and vine trellis. Low priced and durable, the cost is trifling.

18 in., 10 cts. ft.



Fig. 150

"Economy" Brand, Red Strand Poultry Fence

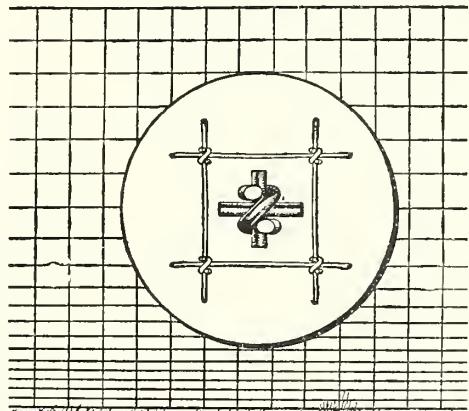


Fig. 151

Graduated from 1 in. to 4 in. A knot that never slips. Requires no top or bottom boards — does not bag or sag.

Economy Poultry Fence: No. 18 filler; 15 1/2 top and bottom, 6 in. stays.

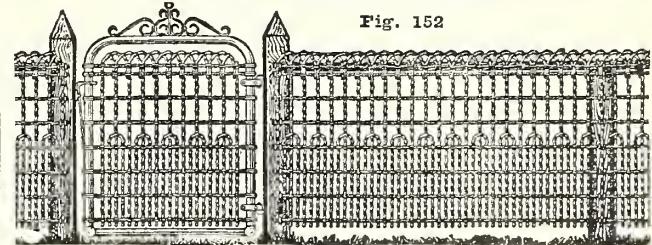
Style	Line wires, No. of	Height, in.	Weight, 10 rods	Price per roll
2048	20	48	32	\$4.25
2360	23	60	37	4.75
2672	26	72	42	5.25

Regular Blue Ribbon: No. 17 filler; 15 1/2 top and bottom, 4 in. stays.

Style	Line wires, No. of	Height, in.	Weight, 10 rods	Price per roll
2048	20	48	48	\$5.25
2360	23	60	55	6.00
2672	26	72	63	7.00

Ornamental Lawn Fence

Fig. 152



The above cut shows style 600 with the following specifications:

Upright or picket wires are No. 9, heavily galvanized, spaced 2 7/8 in. apart at top with an additional No. 9 galvanized picket interwoven so as to give an extra close spacing of 1 1/8 in. at the bottom.

42 in. per ft., 18 cts.; 48 in. per ft., 22 cts.

We also carry style No. 100 with the following specifications:

Upright or picket wires are No. 9, heavily galvanized, spaced 2 7/8 in. apart. Cable line wires are No. 12 1/2, heavily galvanized, spaced 6 in. apart, except the two top cables which are 2 3/8 in. apart.

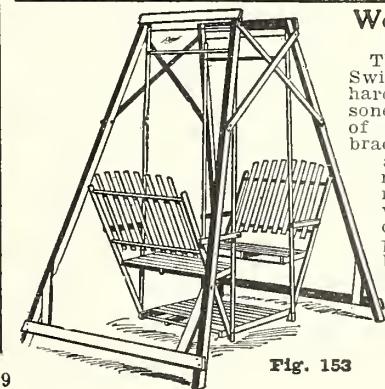
42 in. per ft., 16 cts.; 48 in. per ft., 18 cts.

Worcester Lawn Swing

Four Passenger

The Worcester Lawn Swing is made of selected hard wood, thoroughly seasoned. The standard is made of 4 posts, 2x3 in., firmly braced and screwed together and is painted vermillion red before varnishing, the rest of the swing being varnished in the natural color of the wood. The platform has four full braces. The swing hangs on steel rods by steel hangers and may easily be removed from the standard and packed for shipment or storage.

Size Open—8 ft. high, 5 ft. wide, 9 ft. spread. Price, \$13.00 each.



99

Fig. 149 3 lbs. Price, \$1.50 ea.

Stormtight

FOR USE ON ANY ROOF IN ANY WEATHER

WHAT STORMTIGHT IS

Stormtight is the National Roof Protector. Stormtight will make any roof leak-proof. It is entirely different from the ordinary paints and compounds on the market. It is thick and elastic and therefore lasts for years.

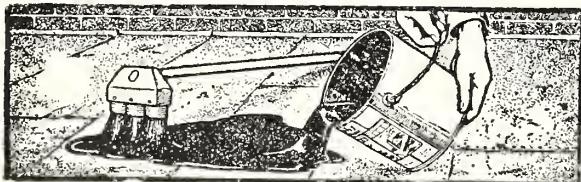
Stormtight provides a one-piece coating over felt, composition, paper and metal roofs, which makes them water-proof and leak-proof. It is manufactured in black, maroon, light red and green. Anyone can apply Stormtight. It is just poured and brushed flat. Once applied, Stormtight needs no re-treatment.

WHAT STORMTIGHT DOES

Stormtight will stop leaks and keep roofs water-proof for years. Roof paints form a thin film which dries out, cracks and permits leaks. Stormtight forms a heavy film which does not dry out, does not crack, does not leak.

WHY STORMTIGHT PROTECTS

Stormtight is not affected by heat, cold, rain or snow. It will not run, sag or dry out and crack. It remains elastic, expands and contracts and is impervious because of its special water and weather resisting ingredients. Stormtight can be applied in any weather.



"Just Pour it on, and Brush It Flat"

Stormtight—Liquid

	Black Per gal.	Maroon Per gal.	Red and Green Per gal.
Drums, 64 gals.	\$1.50	\$2.00	\$3.00
Drums, 38 gals.	1.60	2.10	3.10
Drums, 10 gals.	1.80	2.30	3.30
Cans, 5 gals. (2 per case)	1.90	2.40	3.40
Cans, 1 gal. (6 per case)	2.00	2.50	3.50

Stormtight—Plastic

	Black Per lb.	Maroon Per lb.	Red and Green Per lb.
Drums, 600 lbs.	\$0.15	\$0.20	\$0.30
Drums, 375 lbs.	.16	.21	.31
Drums, 100 lbs.	.18	.23	.33
Buckets, 50 lbs.	.19	.24	.34
Buckets, 25 lbs.	.20	.25	.35
Cans, 10 lbs. (6 to case)	.21	.26	.36
Cans, 5 lbs. (12 to case)	.22	.27	.37
Cans, 1 lb. (24 to case)	.25	.30	.40



Purveyors to
HIS MAJESTY, THE DOG

ALL TERRIER FOOD
A graduated food of even balance, carefully mixed, not medicated or sweetened. Relished by dogs of all breeds.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TOP NOTCH"

A coarse granulated food for large breeds. It has met with great success in many of the Hunt Clubs and sporting dog kennels.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TIT BITS"

A granulated food of the very highest order, without a doubt the supreme in dog foods. Mixed with "VI-TI" tablets we cannot conceive of a more perfect food for bitches in whelp or dogs off their feed.

100 lbs., \$10.25; 50 lbs., \$5.25; 25 lbs., \$2.75; 10 lbs., \$1.50.



Certain-teed

Roofing



As Certain-teed goes up, roofing costs come down. Certain-teed costs less to buy and less to lay than any other type of good roofing. It reduces roof maintenance to practically nothing.

Certain-teed reduces labor costs, because it is easily and quickly laid. It reduces roof renewals, because it is proof against most forms of attack which shorten the life of other types of roofing. It is spark-proof and fire-resisting.

Certain-teed Roofing is guaranteed 5, 10 or 15 years, according to thickness. You will save money when you buy Certain-teed. See us before you buy.

1 Ply Light, about 35 lbs.....	Market Price
2 Ply Medium, about 45 lbs.....	Market Price
3 Ply Heavy, about 55 lbs.....	Market Price

Guard Roofing

1 Ply Light, about 35 lbs.....	Market Price
2 Ply Medium, about 45 lbs.....	Market Price
3 Ply Heavy, about 55 lbs.....	Market Price

Each roll lays 100 square feet and contains nails, cement, etc.

Corporal Roofing

1 Ply Light, about 35 lbs.....	Market Price
2 Ply Medium, about 45 lbs.....	Market Price
3 Ply Heavy, about 55 lbs.....	Market Price

Certain-Teed, Slate Surface

Green, Red or Blue Black, about 85 lbs..... Market Price

Major, Slate Surface Roofing

Green, Red or Blue Black, 75-80 lbs..... Market Price

Tarred Felt

No. 2—Specify small or large roll..... Market Price

Asphalt Sheathing

No. 30—30-lb. rolls..... Market Price

Certain-Teed Sheathing

No. 25—25-lb. rolls..... Market Price

"Old Trusty"

PUPPY MEAL

A fine granulated food, well balanced, not a pasty meal. Mixed with "Old Trusty VI-TI" finer and stronger puppies will result. Vigorous puppies mean less disease.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

DOG CAKES (Whole or Broken)

100 lbs., \$9.75; 50 lbs., \$4.50; 25 lbs., \$2.35; 10 lbs., \$1.25.

PUPPY BISCUITS

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

VI-TI

Large tin, \$1.00; small tin, \$0.50.

Prices subject to change without notice.

EVERYBODY KNOWS

Ross' Seed Grows

Wright's Animal Tether

The cut shows the advantage of this invention, which is designed to obviate the danger of horses and other animals becoming entangled in the rope with which they are fastened. It consists of a pole about ten feet in length, connected with an upright bar, upon which it turns in any direction. The animal is fastened to the end of this pole by a rope, which is kept taut above his head by means of a spring at the base of the pole; this keeps the pole high in the air, until in reaching for the feed the animal pulls it down, thus at all times keeping the rope from under his feet.

Price \$5.50

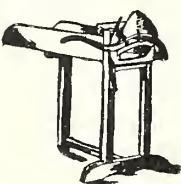
Fig. 154

The Victor Lever Cutter

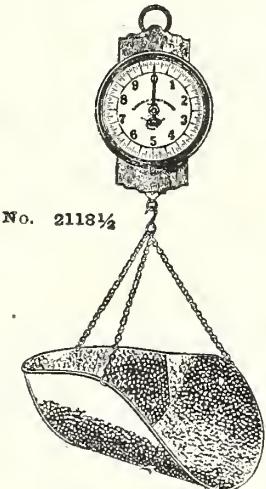
The best lever cutter made. Knife always up to its place.

Prices, No. 2, \$7.50; No. 2½, \$8.00.

Fig. 155



No. 2121



No. 2118½

Fig. 157



Fig. 158

No. 2121 Market Scale, 13 in. tin pan, weighs 30 lbs. by 1 oz., 7 in. dial, \$8.50.

No. 1030 Fish Scale (similar to the No. 2121), 15 in., blue and white enamel pan, weighs 30 lbs. by 1 oz., 8 in. dial, \$13.00

No. 2118½ Circular Spring Balance, weighs 30 lbs. by oz., galvanized scoop, \$9.50.

No. 1001 Market Scale, 13 in. round white enamel pan, nickel bows, weighs 30 lbs. by 1 oz., \$12.75.

No. 16 Heavy Straight Spring Balance, weighs 25 lbs. by ½ lb., 60 cts. each.

No. 26 Round Spring Balance, weighs 50 lbs. by ½ lb., \$2.00. Mailing weight, 2 lbs.

See Inside Front Cover of Catalogue for Parcel Post Rates.

Close Mesh Wire Tree Guards

will protect young trees from the ravages of mice and rabbits.

Diam.	Height	Doz.	100
4"	15"	\$1.25	\$8.70
4"	18"	1.50	10.40
6"	15"	1.80	13.10
6"	18"	2.15	15.60

Diam.	Height	500 per 100	1,000 per 100
4"	15"	\$7.90	\$7.50
4"	18"	9.45	9.00
6"	15"	11.90	11.25
6"	18"	14.20	13.50

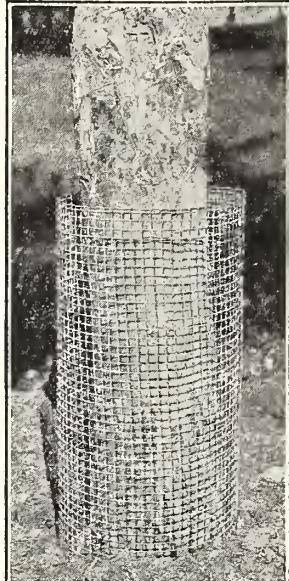


Fig. 159

Kraut Cutters

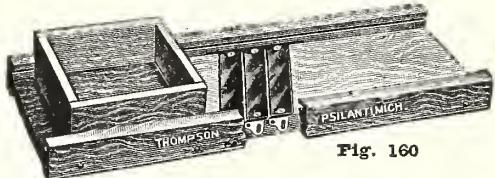


Fig. 160

Number	Knives	Size	Each
55E	3	9x28	\$2.25
65E	3	11x30	3.00

Fairbanks Portable Platform Scales



Dairy Scales

Graduated in 1 oz. Weighs 30 lbs. Made especially for dairymen. Has adjustment for taking out weight of pail.

Price, \$7.00

Weight 4 lbs.

Most practical and convenient Scale for Many Purposes.



Fig. 162

This type of Portable Platform Scale is one of the most efficient for general use and may be furnished either with or without wheels. It is equipped with arrow-tip single beam having a sliding poise with set-screw, all of brass.

No.	Capacity	Beam	Platform	Price
1124	1,000 lbs.	100x½ lbs.	18x27 in.	\$21.50
1128	500 lbs.	50x¼ lbs.	16x25 in.	18.50

ROSS BROS. CO.

Seeds and Implements



Fig. 163

CALF CORDIAL. Sure cure for scours and other similar complaints. 75 cts., weight 2 lbs.

WYANDOTTE DAIRYMAN'S CLEANER. An absolute necessity in every dairy. A powder, easy to use, and recommended by everyone that ever tried it. Price: 5-lb. bag, 45 cts., 80-lb. keg \$4.95, 280-lb. barrel \$13.75.

Moore Bros. "Purpul" Medicated Wax Teat Dilators

For obstructions, spiders, sores on end of teat, hard milkers, etc.

1 doz. Dilators 25c, 5 doz. Dilators \$1.00 Postpaid.

Dr. Naylor's Medicated Teat Dilators

For the treatment of spider, obstruction, hard milkers, cut and bruised teats, etc.

These dilators are not rubber or wax, but are made of an absorbent texture. They heal the teat and keep it open. The dilators are sterilized and packed in the medicated ointment.

1 doz. Dilators in Jar Ointment....\$0.50 Postage 8c.

3 doz. Dilators in Jar Ointment....\$1.00 Postage 10c.

Dr. Naylor's Liquid Udder Balm

This Udder Balm being a liquid is more penetrating, loosens up the tissues and removes the inflammation. Is much easier and cleaner to use than an ointment.

Price \$1.00; Mailing Weight 2 lbs.

Dr. Naylor's Garget Powder

This powder is very effective in the treatment of Garget and Stringy milk.

Price 60c; Mailing Weight 2 lbs.

Dr. Naylor's Stop-A-Leak

A treatment for cows that leak milk. This condition occurs in some cows, at any or all times, and in others when the udder is over-distended during their best milk producing period. These cases are successfully treated with Stop-A-Leak.

Price \$1.00; Postage 10c.

See inside front cover of catalogue for Parcel Post rates.

KOW KARE. Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 65 cts., weight 2 lbs.; \$1.25, weight 4 lbs.

BAG BALM. Cures caked bags and sore teats. Should be in every stable. 60 cts., weight 1 lb.

Warriner's Patent Chain Cattle Stanchions

These Fasteners are in use in a large number of stables and give universal satisfaction. The cut shows the device: a short chain secures the fastener to the top beam so that it suspends 1½ in. clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom, yet is securely fastened. It keeps them clean and gives liberty of action.

Price, each, \$2.75. Doz. lots, \$31.00.

Fig. 164



Cast Iron Feed Box



Fig. 165

Price \$2.75; Weight 31 lbs.

Cattle and Horse Salt Feeders

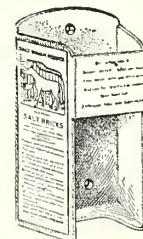


Fig. 166

This method of feeding pure salt to stock has been adopted in the largest stables and grows in favor daily. **Salt brick**, 25 cts. each; weight 5 lbs. each; \$2.50 per doz. **Salt brick holders**, 40 cts. Weight 3 lbs.

Roto Salt

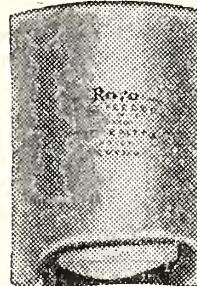


Fig. 167

Bricks and Holders

Consists of round container with round salt which automatically feeds down as used.

Salt 25c each. Weight 5 lbs. **Holder** 40c. Weight 6 lbs.

Hand power.....\$8.75

Corner Rack

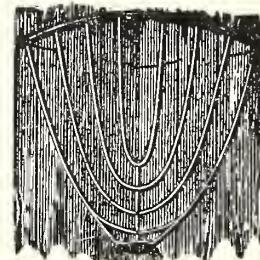


Fig. 168

Price, cast iron.....\$3.75

Price, wrought iron.....3.25

The Banner Root and Vegetable Cutter



Fig. 169

The "Banner" root cutter contains features found in no other machine. It has a self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke.

No. 20—For hand power.....\$21.50

No. 16—Hand and power.....35.00



Fig. 170

No. 7

For Poultry



ROSS BROS. CO.

Seeds and Implements

New England Distributors for Hinman Milkers and Parts

Hinman Electric Milker

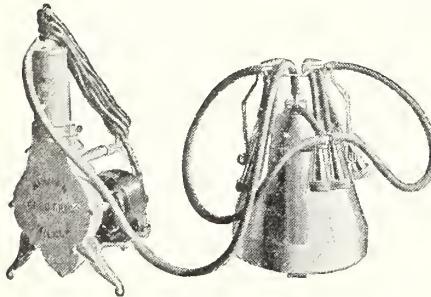


Fig. 178

Price, \$200.00.

A complete milking equipment, no installation. Operates from any electric light circuit, either direct or alternating current. It is a light portable unit, containing all Hinman famous designed pump with relief valve. All moving parts are enclosed and all that is necessary to do is to attach plug, turn on current and milk. Let us give a demonstration.

Gas Engine Milker

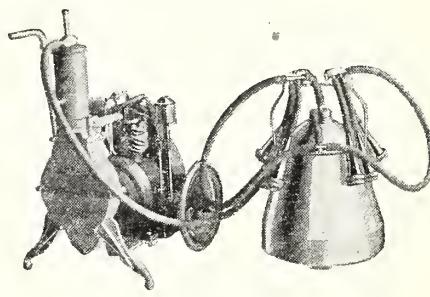


Fig. 180

Price, \$225.00

Hinman Easiest to Clean

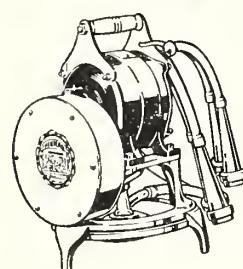


Fig. 179

Price \$110.00

Improved De Laval Cream Separators and Clarifiers

FOR BOTH HAND AND POWER

De Laval Cream Separators are guaranteed to be as represented and to fulfill all the claims made for them, being sold subject to the guarantee of their unqualified superiority in every material feature.

No. 7. Capacity 200 lbs. per hr. \$62.50.

No. 8. Capacity 225 lbs. per hr. \$77.50.

No. 10. Capacity 350 lbs. per hr. \$87.50.

No. 12. Capacity 500 lbs. per hr. \$100.00.

No. 16. Capacity 750 lbs. per hr. \$117.50.

No. 17. Capacity 1,000 lbs. per hr. \$135.00.

No. 22. Capacity 1,350 lbs. per hr. \$225.00.

Add for motor (alternating current), \$55.00.

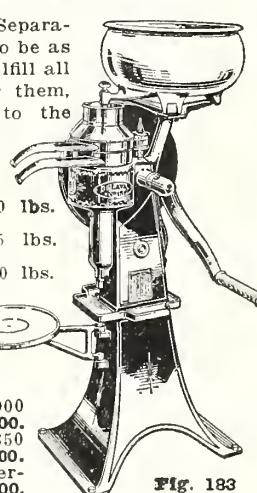


Fig. 183

The Bell Barrel Churn

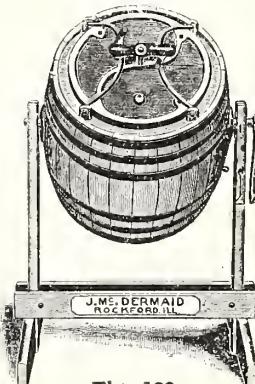


Fig. 182

0. 6 gal. will churn 1 to 3 gal. cream. Weight, 27 lbs. Price, \$8.00.
1. 10 gal. will churn 1 to 5 gal. cream. Weight, 33 lbs. Price, \$9.00.
2. 15 gal. will churn 1 to 7 gal. cream. Weight, 38 lbs. Price, \$10.00.
3. 20 gal. will churn 2 to 10 gal. cream. Weight, 46 lbs. Price, \$12.00.
4. 25 gal. will churn 2 to 12 gal. cream. Weight, 73 lbs. Price, \$14.00.
5. 35 gal. will churn 3 to 17 gal. cream. Weight, 80 lbs. Price, \$16.00.

Flexible Shaft Hand Power Clipper

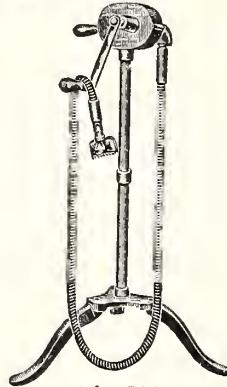


Fig. 184

No stable is complete without one of these outfits for clipping cattle or horses. Inexpensive, easily operated and indispensable on the farm. Insures sanitary conditions of making grade A milk. Weight, 15 lbs. Price, \$14.00. Top plate, weight, 1 lb. 1.50. Bottom plate, weight 1 lb. 2.00.

All prices in this catalogue are subject to change without notice.

EVERYBODY KNOWS Ross' Seed Grows



Fig. 185

Heavy Tin Mixing Can with removable strainer hoop and faucet; 6, 8 and 10 can.

6 can	.....	Price \$15.00
8 can	.....	16.00
10 can	.....	17.00

Horne Vertical Can Strainer



Fig. 186

Is warranted to filter milk through filtering flannel as fast as poured and remove the finest trace of sediment, leaving the milk absolutely clean.

Filtering flannel is superior to absorbent cotton when used with the vertical process. Note illustration showing air vents for the free circulation of air.

Were it not for the air circulation milk could not be successfully strained through filtering flannel as a quart of air must escape as fast as a quart of milk is poured.

Price of strainer with double flannel, \$2.50. Extra Strainers, 25c each.

Weight, 4 lbs.

Buckley's Patent Watering Device

For Watering Stock in Stables

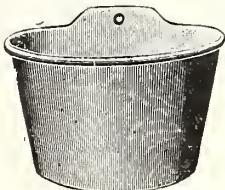


Fig. 187

Water where cattle can get it at any time during the day or night is a necessity in every first-class stable. With the Buckley Basins the water is always there and at the proper temperature.

Not so high priced as the Star. Will answer every requirement. Thousands sold. Threaded for $\frac{3}{4}$ -in. pipe.

Price, each, \$2.00; per doz., \$21.50.

The Ideal Milk Cooler

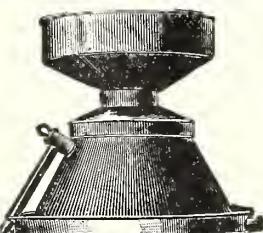


Fig. 188

The Ideal Milk Cooler and Aerator does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

No. 2. Suitable for 10 to 15 cows. Price, \$10.00.

No. 3. Suitable for 25 to 40 cows. Price, \$12.00.



Fig. 189

Very heavy tin milk or cream pails with wood grip. Riveted ears.

12 quart	.....	\$1.05
14 quart	.....	1.15

Weight each, 5 lbs.

Common Sense Milk Pail

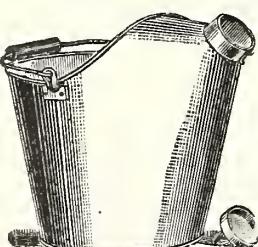


Fig. 190

It is made of extra heavy tin, strainer removable, easy to clean and keep in repair. Price, \$2.50. Weight, 6 lbs.

All prices in this catalogue are subject to change without notice.

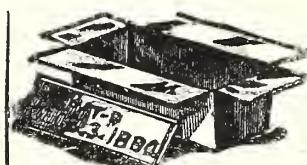


Fig. 191

Price per dozen, all papered, \$2.25.

The Dumas square box holds five lbs.; the only box that butter can be turned out of and left in good shape.

Milk Cans

Hi-grade Worcester Pattern Cans with wood bung.

No. 2—8 qt.

Heavy \$1.75

No. 2—10 qt.

Heavy 1.95

No. 3—8 qt.

Light 1.65

No. 3—10 qt.

Light 1.85

Mailing weight each, 6 lbs.

Mailing

Wgt. Each

6 qt. 4 lbs. \$1.50

4 qt. 4 lbs. 1.10

2 qt. 3 lbs. .75

1 qt. 2 lbs. .65

1 qt. Funnels, weight 1 lb. .15

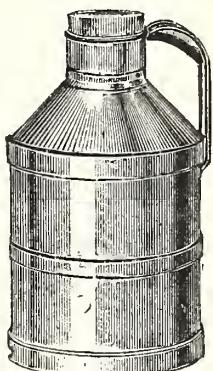


Fig. 192

The New Dover Sanitary Milk Pail

The Breast on our Pail has a guard which absolutely prevents dirt from falling from the breast into the pail.

Capacity 14 qts.; diameter bottom, $9\frac{1}{2}$ in.; diameter top, $12\frac{1}{4}$ in.; extreme height, $13\frac{1}{4}$ in. Net weight, $4\frac{1}{4}$ lbs. each. Shipping weight, 6 lbs. each. Price, \$2.50 each.



Fig. 193

Gem Combination Milk Bucket

With Removable Strainer

It has no equal in its simplicity. Made of the best IX tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose. The Strainer is constructed of Steel with Fine Brass Wire Cloth and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place.

Prices, 10 quarts, each \$1.10; 13 quarts, each \$1.25; 14 quarts, each \$1.40. Weight, 3 lbs.

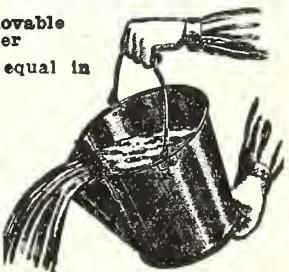
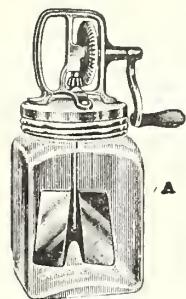


Fig. 194

ROSS BROS. CO.

Seeds and Implements



A—GLASS CHURN.

This churn is desired for farm use and is indispensable in the kitchen. It whips cream, beats eggs, makes butter, has a lot of other uses and is always handy.

2 quart, weight 7 lbs. \$2.25 4 quart, weight 10 lbs. \$3.00
Extra glasses, 75c, \$1.00 and \$1.25

B—MILK BOTTLES.

This bottle is a great improvement over any other style of bottle made, from the fact that it has no corner for the dirt to stick in. The bottom inside being made round, it cleans very easily.

Prices	Doz.	Gross
1 quart	\$0.90	\$9.00
Pint	.70	7.00
1/2 pint	.60	5.90



B

D—BOTTLE BRUSHES.

Add for postage 5c each.

No. 305. 10 in. Hickory Handle Bristle Brush, 45c.

No. 613. Grey Hair, 60c.

No. 309. Machine brush 5 in. Grey Hair, handle tapered, 60c.

E—LEATHER HALTERS.

Black or Russet, riveted and sewed.

Horse Halters, \$1.75. Weight 2 lbs.

Cow Halters, either black or russet, \$1.50. Weight 2 lbs.

F—8 BAR, SOLID BACK, ENAMELED CURRY COMB.

Price, 30c. Add postage 5c each.

G—REFORM CURRY COMB.

Three rows of crimped oval steel cleaners.

Price 25c. Add postage 5c each.

H—BUTTER BOWLS.

Made of polished maple.

13 inch. Mailing weight	3 lbs.	\$0.60
15 inch. Mailing weight	4 lbs.	.75
17 inch. Mailing weight	7 lbs.	1.25
19 inch. Mailing weight	10 lbs.	1.75

I—LARGE BUTTER SPAT.

Price, 25c. Postage 5c extra.

SMALL BUTTER SPAT.

Price, 15c. Postage 5c extra.

K—CORRUGATED BUTTER SPAT.

Price, 35c. Postage 5c extra.

L—BUTTER PAPER.

This parchment butter paper is used by most of the butter packers. Made of very strong fibre and will stand any amount of hard use.

Cut 8x11 in. for 1/2-lb. molds, 30c per lb.

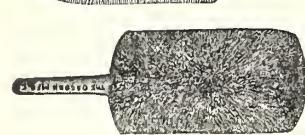
Cut 9x12 in., 30c per lb.



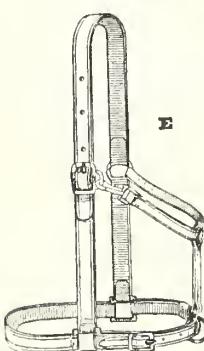
NO. 613



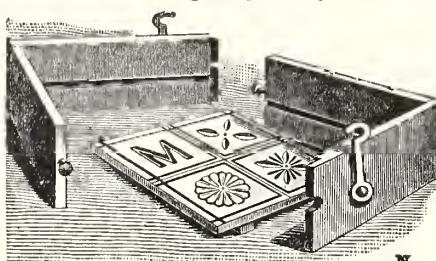
NO. 305



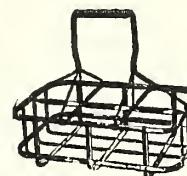
NO. 309



E



N



O



F



H



I



K



L



M



G

All prices in this catalogue are subject to change without notice.

EVERYBODY KNOWS Ross' Seed Grows

CYANOOGAS

REG. U. S. PAT. OFF.

The ideal fumigant for greenhouses is CYANOOGAS G—Fumigant.

CYANOOGAS A—DUST is certain death to woodchucks, rats, moles and ants.

For Woodchucks: Place a heaping tablespoonful well into the burrow and close carefully.

Rats: Plug all rat holes that can be located except one and blow in A—Dust with a Cyanogas Duster. Plug remaining hole.

Moles: Open runway every five feet and place in heaping tablespoonful.

PRICES

1-lb. tin.....	\$ 0.75
5-lb. tin.....	3.00
25-lb. tin.....	10.00
100-lb. drum.....	30.00

Fig. 195



"Nico-Fume" Powder



Fig. 196

Every florist knows that the battle with insects is continuous. Numerous insect pests destroy profits, but they can be controlled by "NICO-FUME" Powder. It furnishes safe, dependable and effective protection to greenhouse crops. Many florists prefer a tobacco powder fumigant. "NICO-FUME" Powder consists of tobacco powder impregnated with high strength nicotine and is guaranteed to contain not less than 12 1/2% of nicotine by weight. Use a 2 1/2-inch flower pot for a measure. Pour the powder on the walk or bench in a loose pile and light at either end; or both ends for quick fumigation. Use one 2 1/2-inch pot full (about four ounces) to 6,000 to 8,000 cubic feet of air space.

Prices

1-lb. tin	\$1.00
5-lb. tin	3.75
10-lb. tin	6.85

Snarol

The National Pest Control

Fig. 197

This is a ready prepared meal that you simply broadcast on the ground about plants and shrubs. The pests eat this meal as a food and are quickly destroyed. Snarol is easy and inexpensive to use. It does the work quickly, safely and surely!

THE PESTS IT KILLS

Snarol destroys Cutworms, Slugs, Snails, Earwigs, Sowbugs and Grasshoppers.

Price

Snarol 1-lb. Packages.....	\$0.50
Snarol 3-lb. Packages.....	1.00
Snarol being poisonous is not mailable.	



Snarol being poisonous is not mailable.

Victory Plant Food

In VICTORY PLANT FOOD the clean, rich leafmold of virgin woodland soil is reproduced naturally, with its plant-nourishing and moisture-holding humus, to which is added just the right amount of vital food elements to take care of every need of the plant for beauty, health and vigorous growth.

Use it regularly and the results will amaze you. Your ferns and other plants will soon have full, luxuriant foliage—leaves that shine as though they had been waxed—abundant bright-colored blossoms. VICTORY PLANT FOOD is the secret of your success with plants. Follow simple directions and you cannot fail! Clean and odorless. Leading florists and nurserymen use and recommend "VICTORY."

1/2 lb.....25c 1 lb.....50c



Fig. 199

STIM-U-PLANT

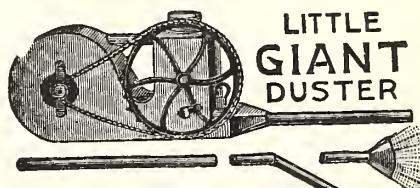
PLANT STIMULANT TABLET

Use it and you will have the largest crops of fruit and vegetables, and an abundance of the largest and sweetest-scented flowers of intense and vivid colors. It is rich in plant food, containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid and 15 per cent Potash, odorless and clean. Compare this analysis with that of other fertilizers.

Not to be thrown broadcast, but put at feeder roots of individual plants, trees, shrubs, etc! There is no waste, you feed the plants that need it. Increases production, brightens color, improves quality. Simply insert a tablet in the soil near each plant (1 foot apart if in rows) once or twice during season. Or, dissolving four tablets per gallon of water is less trouble and gives better results than the objectionable manure water. A proven success with rose growers, nurserymen, landscape gardeners, strawberry growers and gardeners. Complete directions with every package. Price, postpaid: 30 tablets, 25c; 100 size, 75c; 1,000 tablets, in bucket, \$3.50.



LITTLE GIANT DUSTER



Distributes all kinds of powder. Weight, 12 lbs. Price, \$12.00.

No. 5

Auto Spray

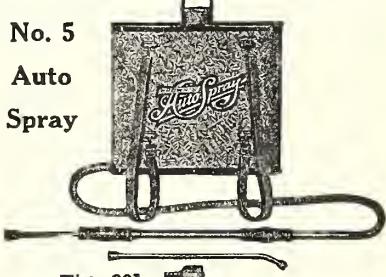


Fig. 201

Pump made entirely of brass. Valves easily taken apart if they become clogged. Nozzle designed for trees or in fine mist for bushes, potatoes, etc. This pump is double acting, thereby giving a continuous spray.

Auto-Spray Pump, hose, nozzle and strainer, complete with tank, \$8.00. Extension, extra, 50 cts. Less tank, \$4.80.

Queen Out-Door Fly-Trap

Is 19 inches high and 11 inches in diameter. The framework is galvanized sheet metal covered with black painted wire cloth.

One of the best traps yet invented, ridding the stable of flies.

Price, \$1.75 each.

Weight 3 lbs.

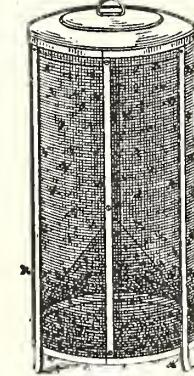


Fig. 202

Antrol

Ants Killed in Their Nests!
Whole colonies of these pests destroyed at their source. New method does the work safely, effectively and permanently.



Fig. 198

How It Works:

The Antrol Syrup in the containers attracts the ants. The worker ants then begin feeding on the syrup and carry it back to the nest. The syrup is mildly poisonous and after a sufficient quantity of it is consumed the entire ant colony is destroyed.

Price: Antrol Sets, each consisting of 4 containers and a 4-oz. bottle Antrol Syrup.....\$1.00

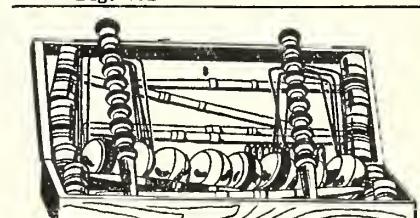
Extra Antrol Containers, each.....15

Antrol Syrup, 4-oz. bottle.....50

Antrol Syrup, pint bottles.....1.00

Antrol being a poison is not mailable.

Fig. 203—No. 1 Croquet Set		
No. 1	8 Ball set, 6	-in. mallet. \$ 5.50
No. 85	8 Ball set, 6	-in. mallet. 4.75
No. 00X	8 Ball set, 8	-in. mallet. 8.95
No. 20	8 Ball set, 8	-in. mallet. 15.00
No. 2X	8 Ball set, 8	-in. mallet. 6.00
No. 4	8 Ball set, 5 1/2-in. mallet.	4.25
No. 5X	8 Ball set, 8	-in. mallet. 5.00
No. 6	4 Ball set	2.00
No. 7	6 Ball set	2.50
No. XA	8 Ball set	3.50
No. AAA	8 Ball set, 9	-in. mallet. 7.00



ROSS BROS. CO.

Seeds and Implements

The Myers Junior Power Spray Outfit

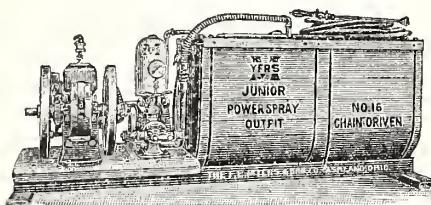


Fig. 204

tor, relief valve, strainer and suction hose.

PRICE LIST

No. 16. Myers Junior Spray Outfit complete with 100-gallon tank, No. 581 D. A. Spray Pump with Chain and Sprockets for Pump and Engine equipped as above. Engine not included in this list. Price, \$125.00.

No. 2. Engine, 2 H. P. with Magneto. Price, \$86.00.

5% Discount for Cash.

Chain Driven 250 lbs. Pressure

Fitted with 2-in. Horizontal Double Acting Force Pump.

Equipped as follows:

One Myers Spray Gun. Fifty feet of $\frac{1}{2}$ -in. Myers High Pressure Spray Hose with fittings complete. Double cut-off for discharge line, pressure gauge, agita-

The Myers Junior Low Down Power Spray Rig No. 19

With all steel short turn truck. Furnished with Thills instead of Poles if specified on order. Double acting pump, chain driven. 46-in. tread, 43-in. high, 72-in. long.

Specially designed for the farmer with a small orchard who raises fruit for his own use, or for Spray Rings or Community Spraying where several farmers combine to do their own

spraying or hire one of their number to spray for all.

Equipped as follows:

One Myers Spray Gun, 50 feet of $\frac{1}{2}$ -inch Myers High Pressure Spray Hose with fittings complete. Double cut-off for discharge lines, pressure gauge, agitator, relief valve, strainer and suction hose.

Price List:

No. 19. Myers Junior Low Down Power Spray Rig, 100 gallon tank, all steel truck and No. 581 Double Acting Pump, chain driven, equipped as above. Engine not included in this list. Price, \$200.00.

No. 22. Engine, 2 H. P. with magneto. Price, \$86.00.

5% Discount for Cash.

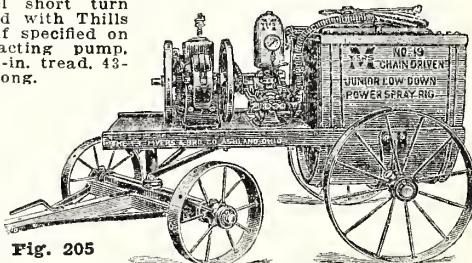


Fig. 205

Myers Spray Gun



Fig. 206

Illustrates the Spray Gun. This gun discharges a long distance spray, by means of which the top of the highest fruit tree can be reached, a slight turn of the handle widens the spray and another short turn throws off spray entirely when ready to move to next tree. Price, weight 5 lbs. \$6.00

Myers Whitewash and Painting Ma- chine and Gen- eral Purpose Spray Pump



The most durable spray pump for whitewashing and applying cold water paint there is made. All parts are of the best material.

Price, \$13.00

Fig. 207

Bordeaux Special

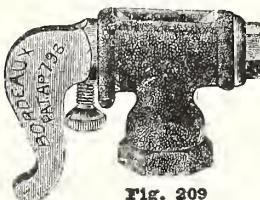


Fig. 209

This nozzle will throw a fine fan-shaped spray and will readily free itself should it become clogged by turning cock handle. It will throw a solid stream.

or it may be shut off altogether if desired. Price, \$1.00. Weight, 1 lb.

The Auto Spray Pump

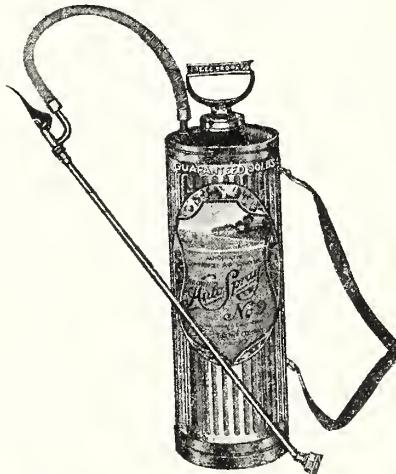


Fig. 208

The "Auto Spray" works automatically for six to fifteen minutes, according to the nozzle opening. It may be charged in fifteen seconds by a few strokes of the plunger, and two pumpings will usually discharge the entire contents. Simply fill two-thirds full of solution and pump up air pressure. Diameter, 7 inches; height, 2 feet; capacity, 4 gals.; weight, 16 lbs. with all attachments.

Price with autopop: Brass, \$9.75; Galvanized, \$6.75.

AUTO HOSE POP No. 1. Price, \$1.50.

TWO ROW ATTACHMENT. Price, \$1.50.

TWO FOOT BRASS EXTENSION. Price, 50 cts.

BRASS ELBOW. Price, 50 cts.

The Myers Compressed Air Sprayer

The tank is made of heavy galvanized iron or brass. The side walls are double seamed, riveted and soldered. The top and bottom are extra heavy material with flanged edge over which the side walls are turned and thoroughly soldered. Has 1 $\frac{1}{2}$ -inch brass tube cylinder. The nut is operated by lugs on the lower part of the handle, which engage in opening at the top of the nut.

The 45 degree nozzle and 20-inch brass extension furnished without extra charge are so constructed that the nozzle can be attached to the end of the brass rod or direct to the connection at the end of the hose, giving the advantage of 45 degree discharge either way. Weight 12 lbs.

No. 2297. Price, \$6.75.



Fig. 210

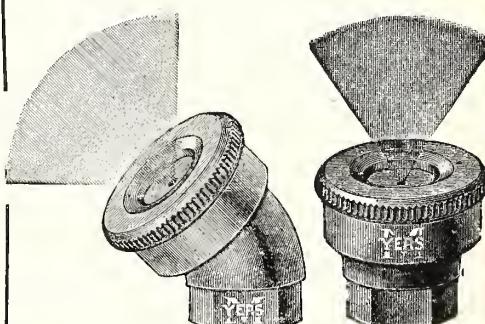


Fig. 211
Fembro 45 degree
nozzle, 70 cts. or 75 cts.,
or 65 cts. Postpaid.

Fig. 212
Fembro nozzle, 60 cts.
Postpaid.

EVERYBODY KNOWS Ross' Seed Grows

Myers Cog Gear Spray Pump, Double Acting

Complete Outfit, mounted on platform with 50-gallon Barrel and Mechanical Agitator, with Brass Valves and Ground Bevel Brass Seats, 2-inch Seamless Brass Removable Cylinder, Hemp Packed Plunger and Double Lever Shut-Off Discharge. Cog Gear Movement increases the leverage, adapting it for spraying under heavy pressure. Mounted complete. Occupies smallest possible space. An ideal outfit for spraying potatoes. Will set in an ordinary farm wagon box.

Price: No. E316B, Pump complete, 50-gallon barrel mounted as shown, with pressure gauge, one 15-foot lead of $\frac{3}{4}$ -inch 7-ply discharge hose, one Fembro Fig. 1290 nozzle, one 8-foot pipe extension with lever shut-off and mechanical agitator, \$54.00.

Four row spraying attachment, to be used with the above pump or with any pump which can be used successfully to spray four rows at once. Equipped with four nozzles, one to each row; is adjustable to any height or width, giving a spray up or down. Indispensable for large acreage of potatoes and can be easily used with Myers' Double Acting Cog Gear Spray Pump.

Price, complete with hose, nozzles, etc., \$26.00.

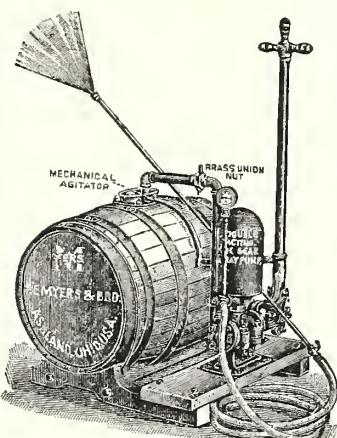


Fig. 213

Savage Duster

Sprays Everything in Powder Form

Easier to carry and operate than any hand duster made. Perfect balance. Ball bearings and gears packed in grease, require no lubrication. Discharge tube may be raised or lowered for low or high plants or trees so that the operator always stands in an upright, comfortable position.

Built of the finest material and workmanship and made to stand long, hard service.

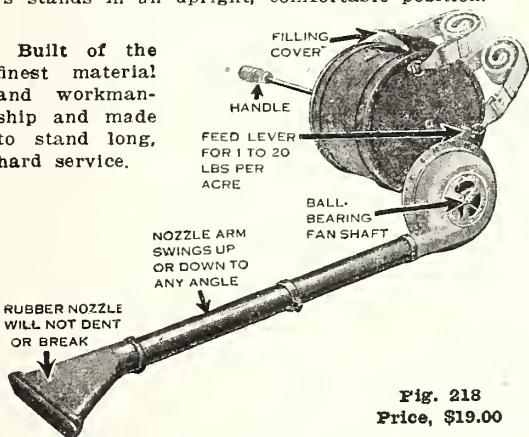


Fig. 218
Price, \$19.00

Bamboo Spray Rods

The Bamboo Extension is made of selected bamboo, 8 ft., 10 ft. and 12 ft. in length, through which is placed a special brass tube of $\frac{1}{8}$ inch inside diameter; the shut-off lever and male end are attached to the brass tube by heavy threads (no solder) and has wide shield at top to prevent solution running down the pole.

PRICE LIST

8-ft. bamboo extension, with lever shut-off cock. Each... \$3.50
10-ft. bamboo extension, with lever shut-off cock. Each... 3.90
12-ft. bamboo extension, with lever shut-off cock. Each... 4.30

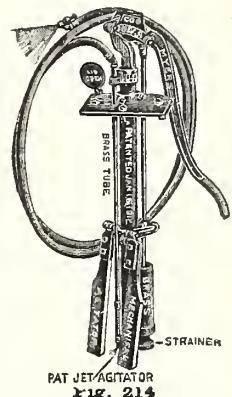
All prices in this catalogue are subject to change without notice.

Myers Cog Gear Barrel Spray Pump

Has Bronze Ball Valves and Brass Seats. The plunger is self-expanding. Will handle any caustic mixture. The cylinder and discharge pipes are all brass. The air chamber is 32 inches in length, enabling the pump to throw a uniform, constant and elastic spray. It has good leverage, is very powerful and easily operated.

Price, No. E318B, Myers Cog Gear Barrel Spray Pump complete, with one lead of 15 feet of $\frac{3}{4}$ -inch 5-ply discharge hose, graduating Vermorel nozzle, and mechanical agitator, \$16.00.

Price, complete, all set in barrel, \$20.50.



PAT JET AGITATOR
Fig. 214

The Myers Portable Sprayer

Is fitted with cog gear handle and is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank held in position by one thumb screw. The handle can be located at any point desired.

The Pump is fitted complete with dasher agitator, hose and an 8-foot pipe extension in two 4-foot parts, which adapts it for spraying large trees and also for use in whitewashing on the inside of low buildings.

The tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands. Hung in the frame on trunions, 12 $\frac{1}{2}$ gallons capacity.

The wheel and handles are made of wrought steel thoroughly braced. The wheel is 15 $\frac{1}{2}$ inches in diameter, with 3-inch tire.

No. E336B. Price, \$26.00. Can be furnished with two wheels at same price.



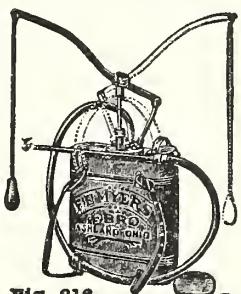
Fig. 215

The Myers Perfect Knapsack Spray Pumps

The tank, made of either galvanized iron or copper, holds 5 gallons of mixture. It is double seamed and soldered, and is fitted with tight lid and strainer. The top and bottom are recessed into ends of Tank, seamed and soldered, making a very stiff and substantial Tank. It is shaped so that it can be carried on the back, shoulder straps being provided for this purpose. Handle lever is arranged for shifting from right to left at will of operator.

The Spray Pump used in this outfit is constructed entirely of brass. It is provided with a large air chamber and has heavy brass cylinders, brass ball valves, patent agitator to keep liquid thoroughly mixed.

Weight 16 lbs.
No. 330. Galvanized \$12.50
No. 331. Copper 18.00



Price
\$12.50
18.00



Fig. 217

No. 327 $\frac{1}{2}$. Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine, coarse spray and solid stream nozzle, with malleable foot rest. Price, \$4.30. Weight, 6 lbs.

ROSS BROS. CO.

Seeds and Implements



TANGLEFOOT ANT-DESTROYER. Guaranteed to drive ants from any lawn. Put up in powder form and used by scattering on the ant hills. The ants never come back. **2 oz. 15 cts., 8 oz. 35 cts.**

Kayso

Kayso Means Economy. Kayso makes the spray apply easily and cover quickly—causes the spray to set and dry rapidly without excessive run-off waste, and gives increased coverage of as much as 10 to 25 per cent.

USE KAYSO WITH ALL SPRAYS. Price, **2 lbs. 45 cts., 100 lbs. \$18.00.** Use 1 1/2 lbs. to 200 gallons of water.

DRY ARSENATE OF LEAD. The trade seems to demand this in the dry state as it has so many advantages over the paste. The dry will keep forever, is less bulky, does not freeze and spoil. Send for descriptive catalogue which gives valuable information for every tree grower. **1/2-lb. pkg. 25 cts. each, 1-lb. pk. 45 cts., 4-lb. bag \$1.00.**

Black Leaf 40

(Nikoteen Sulphate, Nikoteen 40 per cent)

BLACK LEAF 40 is the best known remedy for Potato Lice and other similar insects. Is perfectly soluble in cold water. Can be used in combination with lime, sulphur, arsenate of lead, Bordeaux mixture. Is used as safe and effective for plant lice, thripe, leaf hoppers, etc. Highly recommended by State and Government Experts. Use about 1 to 1,000, or 1 oz. will make six gallons of solution. **1 oz. 35 cts., 1/2 lb. \$1.25, 2 lbs. \$3.25, 10 lbs. \$11.85.**

Sprays for Roses and Other Plants

FUNGTOGEN

A highly concentrated fungicide that conquers Mildew and controls Black Spot on roses, phlox and other plants, and is an effective plant stimulant, as well.

Prices:

1/2 pint	.....	\$0.75
Pint	.....	1.25
Quart	.....	2.00

INSECTROGEN

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blight. Used alternately with Fungtrogen. Both carry their own spreader.

Prices:

1/2 pint (sample)	.....	\$1.00
Pint	.....	1.75

APHISTROGEN

Destroys the destructive aphid in two or three applications. For all plants subject to aphids or plant lice. All these sprays carry the noted Rosenbluth leaf fertilizer—Hortogen.

Prices:

2 ozs.	.....	\$0.50
4 ozs.	.....	.75
1/2 lb.	.....	1.25

DRY BORDEAUX POWDER. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. **Lb. 45 cts., 4 lb. bag \$1.00.**



Pat. in Canada Nov. 2, 1897, Pat. Mar. 16, 1898, and Nov. 9, 1906.

COAL TAR. For tarring corn to prevent crows from pulling it. **1/2 pt. 15 cts., 1 pt. 20 cts., qt. 30 cts.** Shipping weight 2 lbs. and 4 lbs.

CREOSOTE FOR GYPSY MOTHS. For the destruction of the eggs of gypsy moth. **Qt. 55 cts.** Shipping weight 3 lbs. Gal. \$1.15, weight 9 lbs.

CUTWORM FOOD. Rid your garden and farm of the Cutworm pest. There was a time when Cutworms were not considered very seriously by farmers and market-gardeners, but in late years it seems they have come to stay. Cutworm food can not harm plants and is safe and easy for the operator. Put up in 1-lb. package. Directions for using on every package. **1 lb. 40 cts.** Shipping weight 2 lbs.



Tanglefoot Fly Spray

Tanglefoot Fly Spray has a pleasing odor and leaves no stain. It destroys Flies, Fleas, Mosquitoes, Bed Bugs, Wasps, Spiders, Moths, Roaches and Ants, as well as certain other insects that infest houses, stores, etc. **1/2 pt. wt. 1 lb. 25 cts.; 1 pt. wt. 2 lbs. 45 cts.; 1 qt. wt. 3 lbs. 85 cts.; 4 qts., wt. 9 lbs. \$2.50.**

1/2-pint hand sprayer, wt. 2 lbs., 40 cts.

Tree Tanglefoot

A perfect safeguard for trees against gypsy, brown-tail and tussoca moth, canker worm, ants and all creeping things. It will remain sticky about three months, fully exposed to the weather. **1-lb. can 60 cts., 5-lb. can \$2.75, 10-lb. can \$5.25, 25-lb. pail \$11.00.**

FLIT. Destroys flies, mosquitoes, moths, ants, bed bugs and roaches. **1/2 pt., wt. 1 lb. 50 cts.; 1 pt., wt. 2 lbs., 75 cts.; 1 qt., wt. 3 lbs., \$1.25; 1 gal., wt. 9 lbs., \$4.00.**

K-O FLY SPRAY for Cattle is safe, clean and clear—contains no tar, refuse or heavy dark oils. It has one hundred per cent efficiency and is highly economical. Will not taint milk, when used as directed. **Price per gal. \$1.50, weight 9 lbs.**



Rax Is Not a Poison

Within a few days after eating bait prepared with Rax, rats and mice become feverish and seek the open air, where they die—outdoors.

Directions with each package. One bottle is enough for an ordinary house; allow one bottle to each 500 feet of floor space in large barns, mills, etc. **Price, 75 cts. per bottle, postpaid.**

GRAFTING WAX. Prices, **1/4 lb. 20 cts., 1/2 lb. 30 cts., 1 lb. 50 cts.**

HELIBORE. Sure death to the currant worm. **Lb. 60 cts., 1/2 lb. 35 cts., 1/4 lb. 20 cts.**

"Herbicide"—The Weed Exterminator

"HERBICIDE"—THE WEED EXTERMINATOR. Kills grass and weeds of every kind on roadways, gutters, tennis courts, etc., by one application. Its use will save much labor and expense in the long run. **1 qt. 70 cts., 1 gal. cans, \$2.00, 5 gal. cans \$7.50, 10 gal. cans \$12.50; 30 gal. cask \$30.00, 50 gal. barrel \$45.00.** Full directions accompany each package.

IN-A-MINUTE. Will destroy bugs, roaches and similar vermin. Used for cleaning clothing, ink stains, etc. **Price 14 oz. bottle 50 cts.**

KEROSENE EMULSION. Not injurious to foliage and a sure remedy for lice, scale insects and most soft-bodied insects. Very valuable for washing domestic pets. Kills by contact. **Qt. 50 cts., gal. \$1.50.**



DRY LIME SULPHUR. All the old disagreeable features of spraying with liquid lime sulphur is done away with by using the new sulphur compound. It is not caustic, does not freeze, is good till used and is fully 25 per cent cheaper to use than that in the liquid state. Put up as follows: **1-lb. cans 30 cts., 5-lb. cans \$1.25, 10-lb. cans \$2.15, 25-lb. cans \$3.75, 100-lb. cans \$13.00.**

CONCENTRATED LIME SULPHUR. Kills San Jose Scale, Oyster Shell, Bark Lice, etc., and gives the tree a thorough "housecleaning". It should be applied any time after the leaves drop in the Autumn and before the buds start in the Spring. Needs only to be diluted with cold water and it is ready to apply; 1 gallon makes 10 gallons of spray. Guaranteed under the National Insecticide Act. **1 qt. 45 cts., weight 3 lbs.; 1 gal. 85 cts., weight 12 lbs.; 5 gals. \$3.25, 50 gals. 24 cts. gal.** No charge for barrel.

EVERYBODY KNOWS Ross' Seed Grows

Why Raise Roses to Feed Bugs?

Melrosine—the only remedy—endorsed by leading authorities. The GENERAL CONTACT INSECTICIDE that KILLS ROSEBUGS and other insects. Used with any good spray-pump diluted with from 20 to 25 parts of water. Pleasant and harmless to use. Guaranteed effective when used according to directions on can. **Gal.**, weight 10 lbs., \$6.00; **half-gal.**, weight 7 lbs., \$3.25; **qt.**, weight 4 lbs., \$1.75; **pint**, weight 2 lbs., \$1.00. Trial size 50 cts. By mail or express at customer's expense. Or Trial Size, sufficient to make one gallon when diluted, and care for several plants for the season, postpaid for 60 cts.

MELROSINE—IT KILLS ROSEBUGS



"Readeana" Rose Bug Exterminator

A most effective insect killer that is absolutely harmless to even the most delicate flowers or foliage. **1 gal.** \$4.00, 5 gal. \$17.50, 10 gal. \$34.00.

"Nico-Fume" Liquid

(Nicotine Solution)

Has the advantage of being suitable **BOTH** for Spraying and for Fumigating Purposes.

"Nico-Fume" Liquid is packed in screw-top cans, and is sold in the following sizes: Can containing 8 lbs., price \$11.50; can containing 1 lb., \$2.00. Can containing 4 lbs., price 6.25; can containing 1/4 lb., .75. **FORMALDEHYDE**—prevents potato diseases and insures a big, healthy crop. Directions mailed upon application. 1 lb. 45 cts.

PARIS GREEN. A poisonous, insoluble powder, for preventing the ravages of potato-bugs, codling moth, caterpillars, slugs and bugs. Mix one pound to 100 pounds of plaster, or 200 gallons of water. **Lb. 50 cts.**, **1/2 lb. 30 cts.**, **1/4 lb. 20 cts.**

FINE TAR. Used in the stable for cuts and bruises. **1/2 pt. 20 cts.**, **pt. 30 cts.**, **qt. 40 cts.**

Stanley's Crow Repellant

What It Does

It rids your Corn Crop of Crows and other corn pulling birds, and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.

Saves loss of seed and labor of replanting.

Permanently will not clog any planter.

Aids and hastens germination of seed corn.

Protects seed from rotting in the ground.

Insures larger yield per acre.

Is non-poisonous and will not injure the seed.

Will not kill birds or animals, but will keep them away and prevent destruction by them.

Has been used successfully by experienced corn growers for over ten years.

Large can, enough for two bushels of seed corn..... \$1.50
Small can, enough for one bushel..... 1.00
Mailing weight each 2 lbs.

Bowker's Pyrox

A powerful fungicide; it controls fungous diseases, even some serious ones that other fungicides do not control.

A strong poison insecticide; it kills chewing insects, even those which are hard to kill, like the hard-shelled potato beetle.

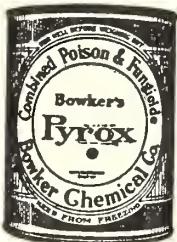
Over twenty years of practical farm use have proved Pyrox the most effective remedy against both serious fungous diseases and chewing insects. It contains the essential copper in proper quantity for safe use and in most active form for greatest fungicidal value. In Pyrox the poison insecticide is chemically blended with the copper fungicide which increases the effectiveness of both.

Simply mix with cold water and spray.

It gives more lasting protection; it sticks like paint and stays on for weeks. Even hard rains do not wash it off once it is thoroughly dry.

It helps to increase yields; the copper fungicide in Pyrox stimulates the leaves, makes them greener and more vigorous and helps to increase yields even when there is no disease.

1 lb. jar \$0.50 50 lb. drum \$10.75
5 lb. drum 1.75 100 lb. keg 15.50
10 lb. drum 3.00 300 lb. barrel 43.50
25 lb. drum 6.25



SUNOCO SELF-EMULSIFYING SPRAY OIL

For scale insects, aphids and red mite on apple trees. The ideal petroleum spray is an oil that will form a perfect and permanent mixture with water. The most distinctive characteristic of SUNOCO SPRAY OIL is that it forms a perfect, permanent emulsion and will carry to every recess and cavity of bark or foliage in which the insect pests choose to harbor.

50 gallon steel drums, per gallon.....	\$0.50
30 gallon steel drums, per gallon.....	.60
15 gallon steel drums, per gallon.....	.70
5 gallon car, per gallon.....	1.00
1 gallon can, per gallon.....	1.25

SCALECIDE. The quality miscible oil, Oldest and best known dormant spray for trees, shrubs and vines—makes them more beautiful, healthful and fruitful. Used by leading fruit growers. Pleasant to use—non-caustic, non-corrosive, non-poisonous. Kills scale, insects, eggs, larvae and disease cankers and fungous spores wintering on the plant. Mixes instantly—dilute 1 to 15. **Prices: 1 qt.**, weight 3 lbs., \$0.75; **1 gal.**, weight 9 lbs., \$1.75; **5 gals.**, \$6.25; **10 gals.**, \$10.60; **15 gals.**, \$13.50; **30 gals.**, \$26.00; **50 gals.**, \$38.00. One gallon equals 3 1/2 gallons lime-sulphur.



CARBOLINEUM. Of the numerous preservative compounds on the market Carbolineum stands alone as time-tried and thoroughly tested. It is the only superficial preservative method that has been used the world over and demonstrated its value in the thirty past years. It is the only one that has received recognition and met with the approbation of engineers of Europe and America—the only preparation favorably reported along with the reliable but expensive and inconvenient Creosoting and Burnetizing process. **Gallon can** \$1.75. Weight 11 lbs.

SLUG SHOT. A fine powder used for potato bugs and other insects. Recommended for cabbage worms. **5-lb. package** 60 cts.

TOBACCO DUST, in one pound package for dusting plants for lice, etc. **1 lb. 25 cts.**

FISH OIL SOAP. For destroying insects on plants, etc., in small boxes. **Lb. 40 cts.**, **1/2 lb. 25 cts.**

SOAP, SULPHO-TOBACCO. 3-oz. pkg. 10 cts., mailed postpaid 13 cts., per doz. \$1.00; **1/2 lb. pkg.** 20 cts., mailed postpaid 28 cts., per doz. \$2.00.

SEMESAN. The Modern Seed Disinfectant for all agricultural purposes. Full directions with each can. Circulars mailed upon application. **2-oz. can** 50 cts., **8 oz. can** \$1.60, **1-lb. can** \$2.75.

SEMESAN JR. For sweet and field corn diseases. **1-lb. tins** \$1.75.

SEMESAN BEL. For bulbs, roots and tubers. **1-lb. tins** \$1.75. Semesan being poisonous disinfectant is not mailable.

Dolge Weed Killer

A minute a day keeps the weeds away. Kills all growth on Tennis Courts, Walks and Drives. Destroys Ivy, etc., on walls, fences and court yards.

PRICES

1-qt. can (enough for 10 gals.).....	\$ 0.60
1-gal. can (enough for 40 gals.).....	1.75
5-gal. can (enough for 200 gals.).....	8.50
10-gal. can (enough for 400 gals.).....	15.00
30-gal. bbl. (enough for 1,200 gals.).....	37.50
50-gal. bbl. (enough for 2,000 gals.).....	52.50

ROSS BROS. CO.

Seeds and Implements

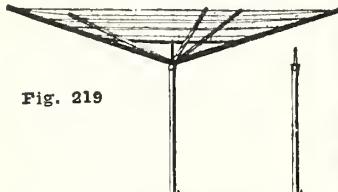


Fig. 219

HILL'S CHAMPION DRYER. Made of selected wood, neatly painted. Ground box has galvanized cover. A very attractive dryer, one that will last. Can be folded and put away easily. Price Wood post, 115 ft. \$10.50
Wood post, 150 ft. 12.00
Can be furnished with galvanized steel post, \$1.50 extra.

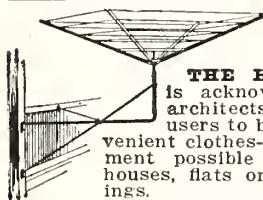


Fig. 220

THE HILL DRYER is acknowledged by all architects, builders and users to be the most convenient clothes-drying arrangement possible for apartment houses, flats or private dwellings.

It is hung from the piazza posts, as seen in illustration, or from side of building, and so arranged that each line is easily reached. The swing arms are made of steel, and will support a great weight. The Dryer top is fastened, opened and locked to the post by a patented device which makes it impossible for it to be blown off.

Hill Balcony Dryers have four arms, 5 ft. 6 in. long, and holds 110 ft. of line.
PRICE
Upright Style H, as in cut \$14.00
Inverted Style D 15.00

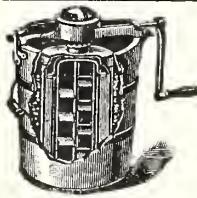
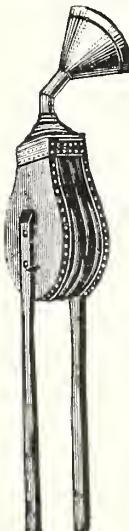


Fig. 221

White Mountain Ice-Cream Freezer

PRICES

Qt.	Weight	Price
1	6 lbs.	\$3.00
2	10 lbs.	3.60
3	12 lbs.	4.25
4	14 lbs.	5.00
6	20 lbs.	6.25



Acme Powder Gun

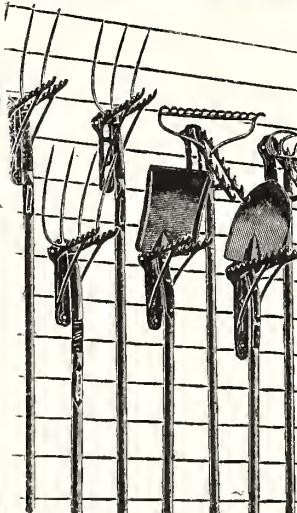
A simple, practical implement for the extermination of potato-bugs and all kinds of insects, flies, etc.; the pests of home and garden.

Net price, single, \$1.50.

Weight, 4 lbs.

For parcel post rates see inside front cover.

Fig. 222



Add postage for your zone. See inside of front cover.



Fig. 223	Price
No. 380 E. Universal	\$6.00
Guaranteed 3 years; for round tubs only; enclosed gears; ball bearings; rolls 10x1 1/4 in.; 3 in a carton, 62 lbs. Hi Grade. Weight each 20 lbs.	
No. 360 E. Universal	\$6.75
For set or round tubs; ball bearings enclosed; guaranteed 3 years; rolls 10x1 1/4 in.; 2 in carton, 54 lbs.; each 24 lbs.	
No. 361 E. Universal	\$7.00
Same as No. 360 E. except has 11 in. rolls. Weight 25 lbs.	
No. 100 Rival	\$4.75
Self-oiling wood bearings; for round tubs only; guaranteed for one year. Weight 18 lbs.	

Small's Calf Feeder

The original calf feeder. Price, \$5.00 postpaid. Weight 4 lbs. Nipples, 50c each. Postage 5c.



Fig. 224



Majestic Rotary Washer

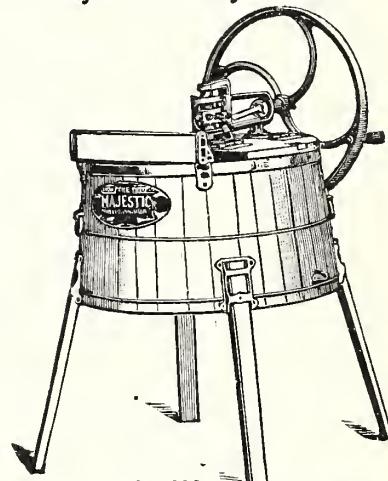


Fig. 225

Ball bearings and balance fly-wheel almost make it run itself. Price, \$12.50.

Vanco Mop Wringers

No. 86. Small size \$2.25
Weight 7 lbs.

No. 88. Household size. \$3.25
Weight 10 lbs.

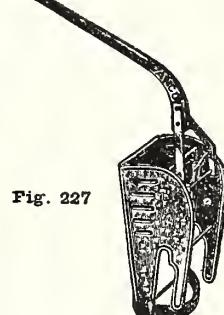


Fig. 226

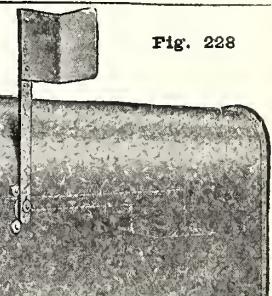
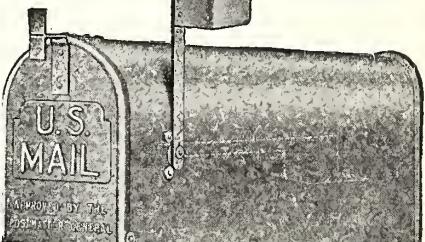


Fig. 227



The Hessler Mail Box

Conforming in every way to the Post Office requirements for rural delivery box. Dimensions: No. 1, 18 1/2 in. long, 6 1/4 in. wide and 7 1/2 in. high. Inside measurements, No. 1 weighs 10 lbs. Price of No. 1 is \$1.50.

Corn Poppers

Made up of heavy woven wire, with stained handle. Everybody should have one.

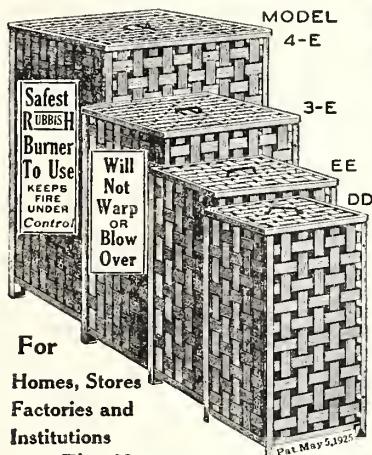
1 qt.	.30c
2 qt.	.40c
4 qt.	.70c



Fig. 229

Mailing weight, each 2 lbs.

EVERYBODY KNOWS Ross' Seed Grows



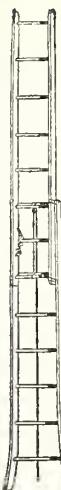
For
Homes, Stores
Factories and
Institutions
Fig. 230

SKYSCRAPER RUBBISH BURNER

RUBBISH BURNER

The high Carbon steel strips together with the woven construction of this Outdoor Rubbish Burner takes care of the expansion and contraction of the metal, during and after the burning process, and prevents the Warping and Buckling so common in all Sheet Iron or Wire Burners.

	Price:
4E. Each.....	\$18.00
3E. Each.....	10.75
EE. Each.....	7.25
DD. Each.....	6.25



Extension Ladders

Made from white spruce and recommended by telephone and telegraph folks who use these. Allow 4 ft. for lap.

Ft.	Per ft.
20 to 30	42c
32 to 34	45c
36 to 40	48c
42 to 44	50c

Fig. 231



Closed Top Fruit Ladder

This Ladder manufactured purposely for fruit picking. Upper section closed or pointed at top to run up in thick branches of trees.

Ft.	Per ft.
10 to 22	39c

Fig. 232

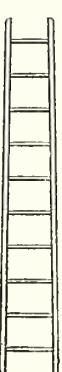
Paris Step Ladders



Fig. 233

These ladders are made by the Paris Mfg. Co., which is sufficient guarantee for their durability and workmanship. Every ladder heavily trussed and reinforced. We carry all lengths.

3 ft.....	\$1.95
4 ft.....	2.60
5 ft.....	3.25
6 ft.....	3.90
7 ft.....	4.55
8 ft.....	5.20
10 ft.....	6.50

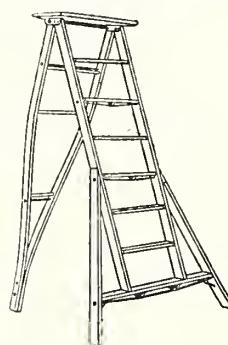


Common Taper Ladders

Made of white spruce. Very strong and durable.

Price per ft.
Ft. Per ft.
8 to 16.....30c
18 to 22.....33c
22 to 24.....38c

Fig. 234



Columbia Fruit Step Ladder

This Fruit Step is the latest, strongest, best and most practical fruit step on the market. Made from Clear Spruce; steps reinforced with truss rods. Made in 5, 6, 8, 10 and 12 ft. lengths. Price per ft. 70c.

Fig. 235

Plain Galvanized Ash Can

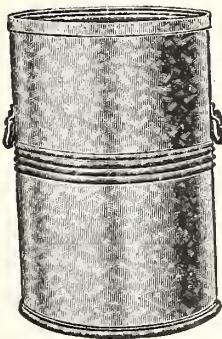


Fig. 236

No. 1. 17x26 in., a medium weight can suitable for all purposes. Used by the poultrymen for grain cans and the like. Price, \$1.65.

Corrugated Galvanized Ash Can

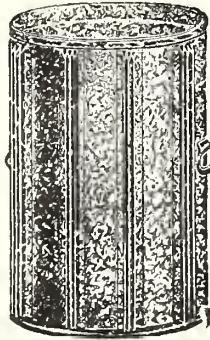


Fig. 237

Ajax. A medium weight can, corrugated, which makes it extra strong. Price, \$3.75. Covers, 90c.

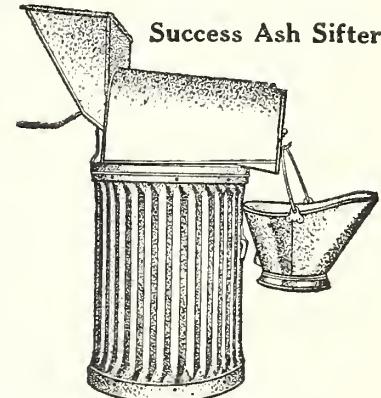


Fig. 238

Keep the Home Fires Burning, but sift your coal and save every piece. Rightly named, for it does the work in half the time with no dust or noise and with very little work.

No. 1. Family size.....	\$3.00
No. 1. Complete with galvanized ash can	4.50
Galvanized Ash can 17x26.....	1.65



ROSS BROS. CO.

Seeds and Implements



No.	Price
14	\$1.25
R65	1.60
R70	1.35
R275	2.25
R170	2.00
99	1.50
50	.75
165	1.85
R85	2.25
R165	1.75
65	1.35
R50	.90
60	1.00

Add 10 cts. per pair for packing and postage.

Fig. 239



Budding Knife

4 1/4 inches long.
Price, \$1.25. Bone, 1
blade. Postpaid.



Fig. 240

McKinney Pruners

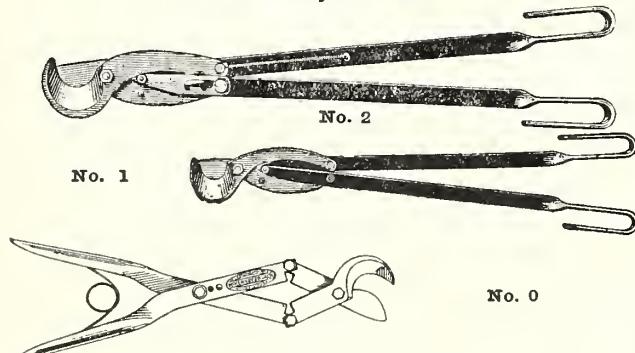


Fig. 241

Latest, strongest and best hand pruner made. Very powerful and easy to operate. The only perfect cutting pruner on the market. No. 0 is a hand pruner having two cutting blades, cuts limbs 5/8 in. in diameter. No. 1 cuts 1 in. in diameter. No. 2 cuts 1 1/2 in. in diameter.

	Weight	Length	Price
No. 0	1 lb.	15 in.	\$3.00
No. 1	2 1/4 lbs.	23 in.	4.00
No. 2	5 1/4 lbs.	30 in.	5.50

Two-Hand Pruners



Fig. 242

A heavily constructed pruner with an absolute broad cut, made for heavy duty work. 24 in. handle. Price each \$2.50. Mailing weight 6 lbs.

Add postage for your zone. See inside of front cover.

Pruning Saws



Fig. 243

No. D-27. 26 in. Mailing weight 3 lbs. \$3.25

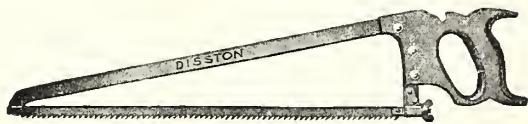


Fig. 244

No. 19. 18 in. Mailing weight 2 lbs. \$1.90



Fig. 245

No. 15. Blade 14 in. Mailing weight 3 lbs. Price \$2.00
Extra Blade .30



Fig. 246

No. 3. 16 in. Mailing weight 2 lbs. \$1.35
18 in. Mailing weight 2 lbs. 1.40



Fig. 247

No. 5. 16 in. Mailing weight 2 lbs. \$1.90
18 in. Mailing weight 2 lbs. 2.00

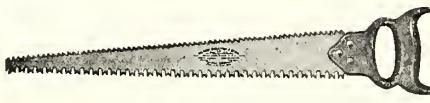


Fig. 248

No. 4. 16 in. Mailing weight 2 lbs. \$1.65
18 in. Mailing weight 2 lbs. 1.75

Heinisch Hedge Shears

One edge serrated and one knife edge.

Forged Steel Handles, Tempered Steel Blades.

They are constructed strictly according to Heinisch standards of quality and design. The blades are made of high carbon cutlery steel, hardened and tempered with great accuracy. The handles are made of drop forged steel, like the handles of timmers' snips, with wood grips for the sake of comfort. Mailing weight 4 lbs.

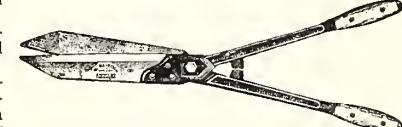


Fig. 249

Prices
6 1/2 in. \$2.75
8 in. 3.25
9 in. 3.50
10 in. 4.00

EVERYBODY KNOWS Ross' Seed Grows

Victor Traps with Chains

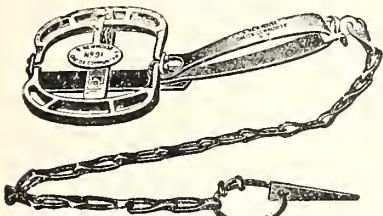


Fig. 250

Cut shows Victor traps with double jaw. No gnawing or pulling out of these traps.

Sizes	Weight per dozen	Each	Dozen
0	6 lbs.	\$0.15	\$1.65
1	8 lbs.	.20	2.15
1 1/2	10 lbs.	.30	3.25
91 (double jaw)	10 lbs.	.30	3.25
9 1/2	10 lbs.	.45	4.85

Jump Trap with Chains

Not Illustrated

Light in weight, open up flat and used extensively by lots of trappers. The Nos. 91 and 9 1/2 have double jaws which catch the animal high on leg and prevent gnawing off leg.

Sizes	Weight per dozen	Each	Dozen
0	6 lbs.	\$0.20	\$2.15
1	8 lbs.	.25	2.60
1 1/2	10 lbs.	.35	3.75
2	15 lbs.	.50	5.50
91	9 lbs.	.35	3.75
9 1/2	9 lbs.	.48	5.20

Hold-Em Wire Rat and Mouse Traps

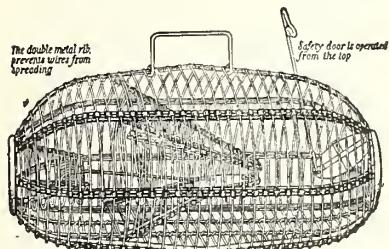


Fig. 251

Rat Traps. Weight, 2 lbs. Price, \$1.00
Mouse Traps. Weight, 1 lb. Price, .50

Goodwin Grass Shears



Fig. 252

This up and down shear is easy to operate. Made strong and cannot get out of order and is the right way to trim the grass. Polished. Weight, 2 lbs. Price, each \$1.75

See inside front cover of catalogue for Parcel Post rates.

Corn Hooks

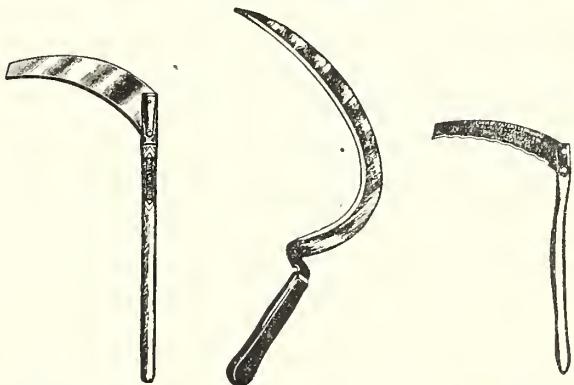


Fig. 253-A

Fig. 254-C

Fig. 255-B

A. Vt. Corn Hooks, plain handle, plain blade.... Price, \$0.40
B. Spring Steel Corn Hooks, curved handle.... Price, .75
C. Solid Steel with off-set blade..... Price, .50
Mailing weight each 2 lbs.

Simplicity Hedge Trimmer

"Cutting More Surface with More Cutting Surface."

The Simplicity Hedge Trimmer works so rapidly and easily that it makes frequent cuttings possible.

No experience is necessary to do a first class job with the Simplicity. Anyone can operate it, everyone wants to operate it when they see it.

To get a thick, beautiful hedge, it is necessary to trim it often, at least every three weeks. When the hedge is trimmed, new shoots sprout out immediately back where the foliage is freshly cut.

The Simplicity trims every variety of hedge grown. Will trim a hedge to any shape and cut desired.

Make your hedge trimming a pleasure by ordering a Simplicity today.

1. Simplicity Hedge Trimmer, for fresh new growth only. Price, \$4.00. Weight, 3 lbs.
2. Simplicity Hedge Pruner and Trimmer, for pruning back old growth and trimming new. Price, \$6.00. Weight, 5 lbs.

The Red Chief Corn Sheller

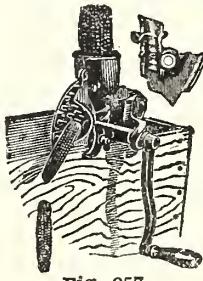


Fig. 257

A substantial but low priced corn sheller, made of iron, painted red. Can be attached to a barrel or box. Adjustable for large and small ears. Price, \$2.75. Weight, 15 lbs.

Norcross Improved Hand Garden Cultivator

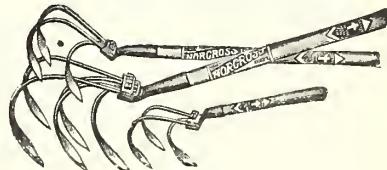


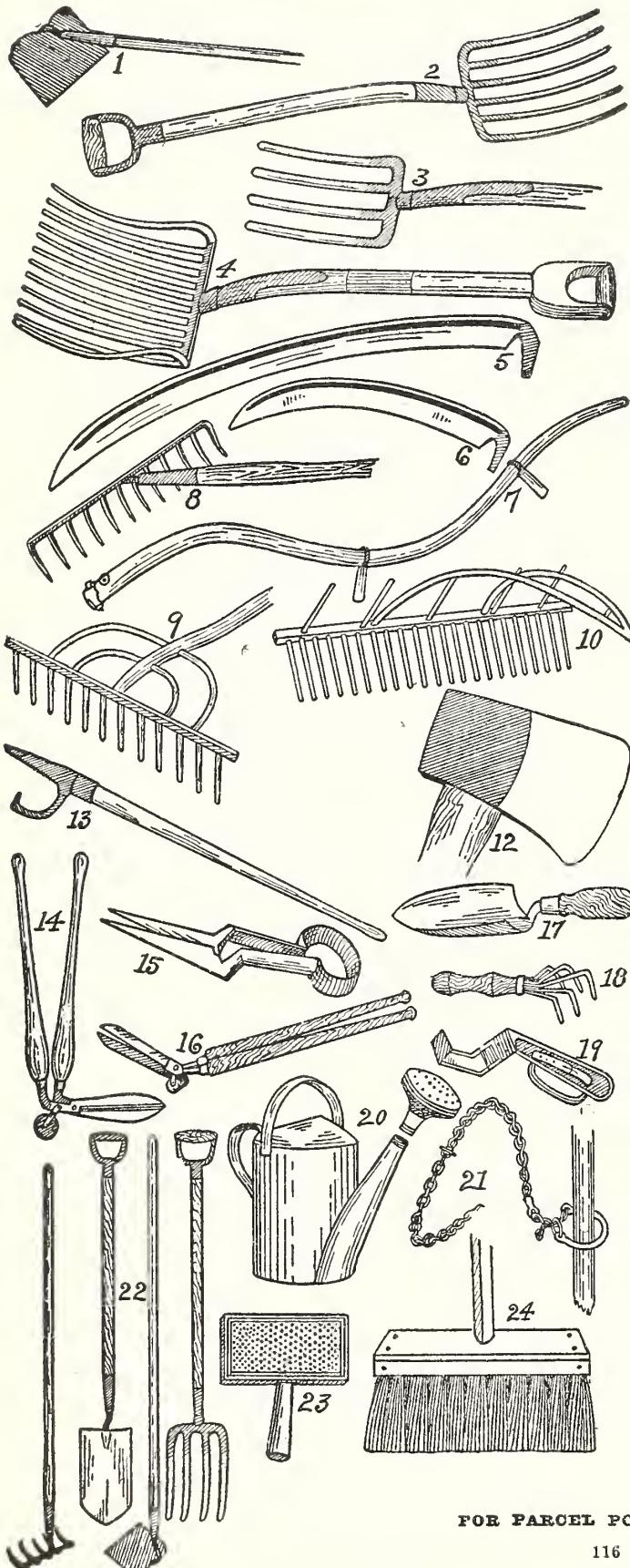
Fig. 258

A very handy garden tool, 5 prongs, \$1.00; 3 prongs, 75 cts. Hand, 50 cts. Mailing weight, 3 lbs.



Fig. 259

STEEL BLADE TREE SCRAPER
75 cts. each. 2 lbs.



The Following Is a Partial List of the Large Line of Hand Tools We Carry

IN ORDERING, GIVE NAME, NUMBER AND SIZE

Fig. 1. Hoes.

8 in. Field Socket.....	\$1.15
8 in. Field Shank.....	1.05
8 in. Meadow Socket.....	1.20
8 in. Meadow Shank.....	1.25
8 in. Meadow Shank.....	1.10
Ladies'.....	.80
Boys'.....	.90
Square Top Onion.....	1.00
9 in. Mortar.....	1.25
10 in. Mortar.....	1.35

Fig. 2. Manure Forks.

5 Tine, Iron D Handle, Plain.....	1.75
5 Tine, Wood D Handle, Plain.....	2.20
5 Tine, Long Handled, Strapped.....	1.90
5 Tine, Iron D Handle, Strapped.....	1.90
5 Tine, Wood D Handle, Strapped.....	2.35
6 Tine, Iron D Handle, Plain.....	2.00
6 Tine, Wood D Handle, Plain.....	2.40
6 Tine, Long Handle, Strapped.....	2.10
6 Tine, Iron D Handle, Strapped.....	2.10
6 Tine, Wood D Handle, Strapped.....	2.50

Fig. 3. Spading Forks.

4 Tine, Iron D Handle, Strapped.....	1.65
4 Tine, Wood D Handle, Strapped.....	2.10
4 Tine, Long Handle, Strapped.....	1.65
5 Tine, Iron D Handle, Strapped.....	2.25
5 Tine, Wood D Handle, Strapped.....	2.70

Fig. 4. Coke Fork.

10 Tines, 1 1/4 in. between Tines.....	2.85
12 Tines, 1 1/4 in. between Tines.....	3.30

Fig. 5. Scythe.

Clipper.....	\$1.85
Black Hawk.....	1.85

Fig. 6. Bush.

Scythes.....	1.65
3	3

Fig. 7. Scythe Snath.

Ash.....	1.50
Bush Snaths.....	1.65

Fig. 8. Steel Rake.

12 Tooth, iron.....	\$0.65
12 Tooth, steel.....	1.00
14 Tooth, iron.....	.70
14 Tooth, steel.....	1.10
16 Tooth, iron.....	.75
16 Tooth, steel.....	1.13

Fig. 9. Bake.

2X, 3 Bow, Bent.....	\$0.90
No. 1, 3 Bow, Bent.....	.80
Lawn Rake, 28 Teeth, XX.....	1.00

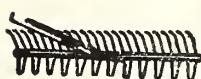
Fig. 10. Drag Rake.

1.75

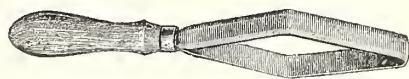
<tbl_r cells="2" ix="1" max

EVERYBODY KNOWS

Ross' Seed Grows



A



B



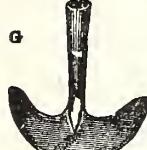
C



D



E



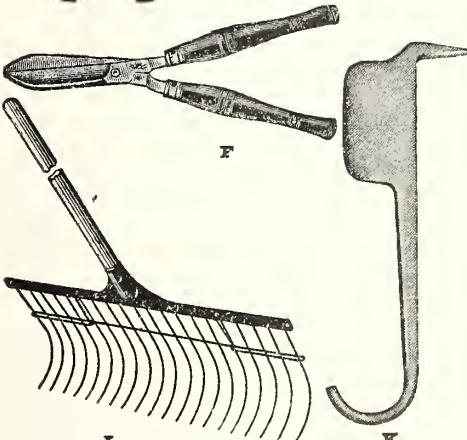
WIRE RUBBISH
BURNERS



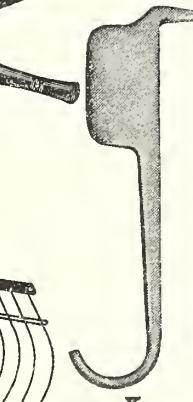
H



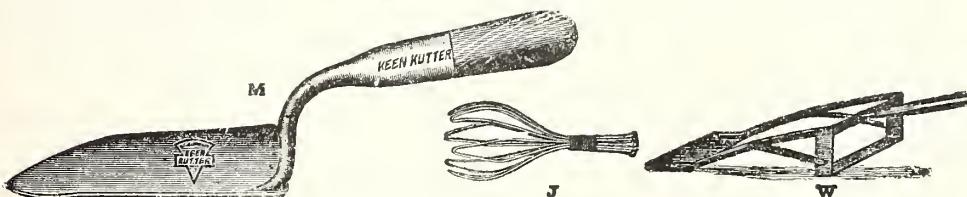
I



F



K



See inside front cover of catalogue for Parcel Post rates.

A. Queen Reversible Wire Lawn Rake with handle. A strong substantial lawn rake for all purposes. Price... \$0.90
Mailing weight 4 lbs.
Price25

B. Diamond Weeder. Price25
Mailing weight 2 lbs. .45

C. No. 3 Garden Fork. Mailing weight 2 lbs. .45

D. Long Handled Steel Garden Trowel. Mailing weight 2 lbs. .45

E. Short Handled Steel Garden Trowel. Mailing weight 2 lbs. No. 21175

F. Hedge Shears. Mailing weight 4 lbs. .25
With notch for heavy work. .25

G. Turf Edger for lining walks, etc. Mailing weight 5 lbs. .1.20

H. Wire Rubbish Burners. No. 2, 14x24. .2.50
No. 3, 17x28. .2.75

I. No. 4, 18x34, extra heavy. .9.30

J. Peerless Fruit Picker. Mailing weight 2 lbs. .50

K. Steel Grafting Chisel. Mailing weight 1 lb. .1.00

L. Hoover Lawn Rake. Made from flexible steel spring wire. Mailing weight 5 lbs. .1.00

M. Solid Steel Garden Trowel with offset shank. Mailing weight 2 lbs. .90

N. Sunnyside Hoe. The best strawberry hoe. Mailing weight 4 lbs. .1.00

O. 6-in. Cheap Trowel. Mailing weight 2 lbs. No. 213. .18

P. No. S8 12-in. Grass Shear, bevel steel blades, mailing weight 2 lbs. .65

Q. Cast Dibble. With wood handle. Mailing weight 2 lbs. each. .75

R. Weeding Hook, 3 tine. No. E. Mailing weight 2 lbs. .50

S. Cotton Gloves for Garden Work. Per pair, postpaid. .25

T. Bouquet Holder, Iron. Mailing weight 3 lbs. .65
Tin, painted green. Mailing weight 1 lb. .15

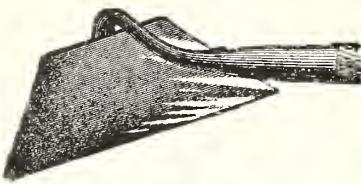
Glass, with holder. Mailing weight 3 lbs. .90

U. Asparagus Knife. Mailing weight 3 lbs. .50

V. Garden Reel. 200 ft. capacity. Mailing weight 4 lbs. .2.85
300 ft. capacity. Mailing weight 5 lbs. .3.85

Garden Line, 96 ft. Mailing weight 1 lb. .1.00

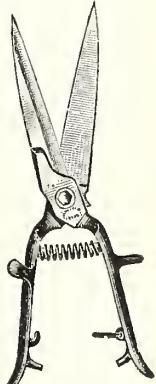
W. Arlington Slide Hoe.
6 in. .2.25
8 in. .2.50
9 in. .2.75
10 in. .3.00



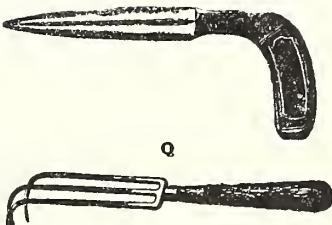
N



O



P



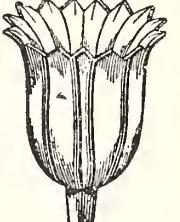
Q



R



S



T



U

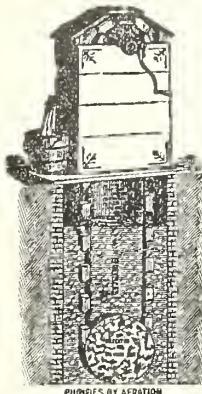


V



ROSS BROS. CO.

Seeds and Implements



The Bucket Pump

We will guarantee it to purify any well in five days, or we will refund the money. Cannot freeze. Can be set up without going below platform. Price for 10-ft. well \$12.50, for each additional foot of well add 50 cts.

Fig. 260

Round End Stock Watering and Storage Tanks

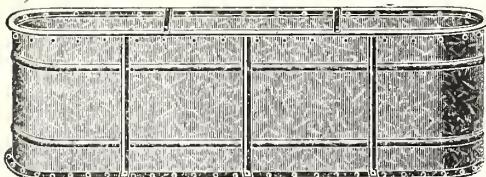


Fig. 263

Well braced. These prices f. o. b. Worcester or delivered by freight to your nearest station from the factory.

Wd.	Hgt.	Lgt.	Cap.	Wt.	Price
ft.	ft.	ft.	bbls.	lbs.	
101	2	2	4	3	65
102	2	2	5	3 3/4	75
103	2	2	6	4 1/2	90
104	2	2	7	5 1/2	105
105	2	2	8	6 3/4	120
108b	2 1/2	2	6	5 3/4	110
					13.50



The Rice Calf Weaner

Does not hinder the animal from eating or drinking. Endorsed by all users. Works like a charm. Three sizes. Small, price each, 50 cts. Med., price each, 75 cts. Large, price each, \$1.00. Wt. each, 1 lb.

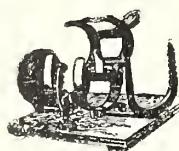
Fig. 269

Asparagus Buncher

Price, \$4.50

Mailing weight, 5 lbs.

Fig. 268



All prices in this catalogue are subject to change without notice.



House Pump

(6x6, 3 1/2-inch Bore)
7 ft. Porcelain-lined \$11.25
7 ft. Unlined 9.25
8 ft. Porcelain-lined \$12.00
8 ft. Unlined \$10.00
Tubing 4x4 \$0.35 per ft.
Couplings and bands for the above \$1.00 each.

Stock Pump

Use 4 1/2x4 1/2 inch pipe, 40 cts. per foot. Couplings and bands for the above, \$1.25 each.

8 ft. lined \$14.00
8 ft. plain 12.00

Fig. 261

Rubber Bucket Chain Pump

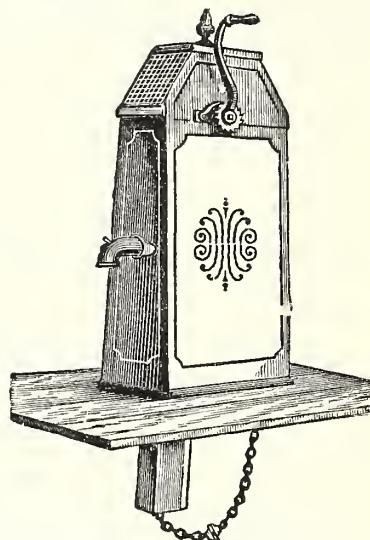


Fig. 262

They are the best cheap pumps. Price, Curbs, \$6.00 each. Chain (3 ft. to 1 lb.) 15 cts. per lb.

Wood tubing, 20 cts. per foot. Rubber Buckets, 15 cts. each.

Tree Saws



Fig. 264

Simonds Hollow Back Pattern, 5 ft., \$3.25; 5 1/2 ft., \$3.55; 6 ft., \$4.10. Same as above, only two gauges thinner on back. 5 ft., \$3.65; 5 1/2 ft., \$4.00; 6 ft., \$4.40. Common V-Tooth, 5 ft., \$2.20; 5 1/2 ft., \$2.40; 6 ft., \$2.60.

One Man Saws



Fig. 265

3 1/2 ft. \$3.50; 4 ft., \$4.00

Saw Bucks

Extra grade saw buck. Made from heavy maple stock, folding. Can be closed and put away in a small space. Each, 75 cts.

Saw Handles

Triumph pattern. Clamps on end of saw with thumb nut. Per pair, 50 cts. Loop pattern, loop made of welded steel. Per pair, 65 cts.

Fig. 266

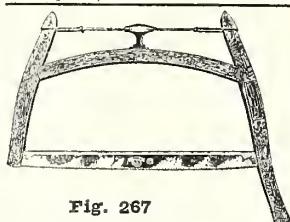
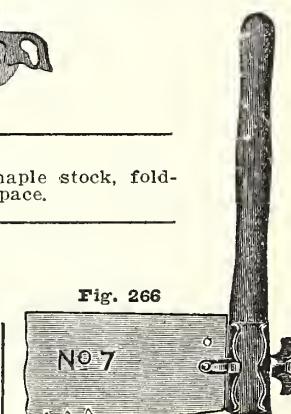


Fig. 267

Wood Saws



No. 104. Double braced frame. Natural wood 2 3/8 in. blade. \$1.60.

No. 106. Red frame. 2 in. blade. \$1.25.

EVERYBODY KNOWS Ross' Seed Grows



Garden Wheelbarrow 8 SPOKE WOOD WHEEL

These Wheelbarrows are made specially for us, are well constructed throughout, of hard wood and strongly ironed. Finished with two coats of paint and one coat of varnish. This is the best garden barrow on the market.

Price, \$7.00.

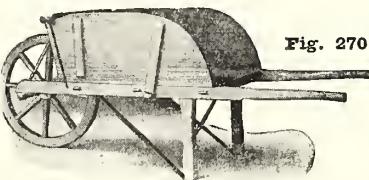


Fig. 270

Tubular Steel Barrow

Tubular steel barrow, with pressed steel bowl, and steel frame; double braced and made for heavy work. 3 cu. ft. Price, \$8.50 each.



Fig. 271



Fig. 272

Wood Dump Barrow

Without doubt the most durable, dump barrow on the market. Price, Steel Wheel, \$4.95 each.

Contractor's Angle Leg Barrow

The very best all-round contractor's barrow made. Tray pressed from one solid piece, 29x36 at top. Frame of hardwood and thoroughly braced and bolted. 16 in. steel wheel; tire, 1 3/4 x 1 1/2 ft.; 5/8 in. axle. Heavy rod rolled in edge. Wt. 825 lbs. Per doz. Each, \$7.75.

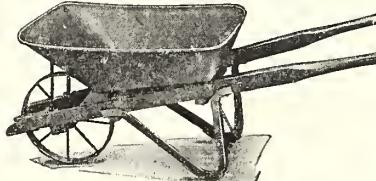


Fig. 273

Picks, Mattocks, Shovels

No. 8 Con'tors' Picks	\$1.20
No. 9 Con'tors' Picks	1.25
No. 6-7 Railroad Picks	.90
No. 7-8 Railroad Picks	.90
Long Cutter Mattocks	1.00
Pick Mattocks	1.00
Bog Hoes	.85

Steel Bars

Each
Pound

Wedges, Splitting	\$0.12
Crow Bars	.10

Fig. 274



Fig. 275

Our Best Shovels



Fig. 276

Our Best Grade Tools are designed to meet the needs of those requiring serviceable tools for general use and where price is a consideration. Northern Ash X grade handles are used for Our Best Grade tools and the blades are constructed of steel of an analysis and thickness to deliver service commensurate with the prices charged for this grade.

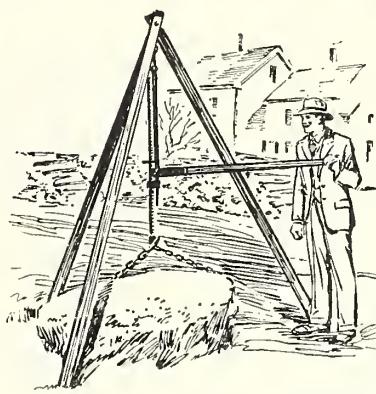
No. 2D. Handle Round	\$1.65
No. 2D. Handle Square	1.65
No. 3D. Handle Round	1.70
No. 3D. Handle Square	1.70
No. 2L. Handle Round	1.65
No. 2L. Handle Square	1.65
No. 2L. Spades	1.65

For Contractors' Use, we sell mostly the No. 3 Black.

Eureka Stump Puller and Rock Lifter

This is by far the simplest and most efficient device on the market for pulling stumps, lifting stones and handling heavy bodies, and will be found very useful. No. 2, weight 26 lbs., capacity 6 tons, \$22.00. No. 3, weight 32 lbs., capacity 8 tons, \$24.00. This price includes the metal part only.

Fig. 277



Boat Head 32 in. wide

The illustration below shows a simple device whereby a stone-boat can be made in a few minutes by using a straight plank with the addition of the Iron Head. Anyone in need of a stone-boat will readily see how easy it is done, and as one head will last for years, it is not only cheap, but durable.

Cast Iron—Price, \$6.50; Bolts, 85 cts. per set. Steel—Price, 34 in., \$5.50; 40 in., \$6.25.

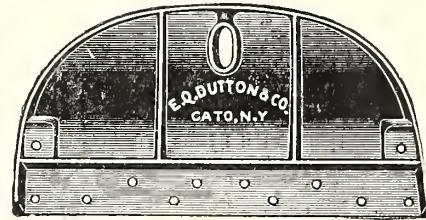


Fig. 278

All Wood Boat



BOAT COMPLETE

7 ft. long.

All Wood, \$13.50

Fig. 279



KNOT KLIPPER AXES

2 1/4, 3, 3 1/4 and 3 1/2 lbs. Absolutely guaranteed. \$1.85 each. Handled with extra 28-in. handle, \$2.25.

Double Bit, \$2.25.

Double Bit Handled, \$2.50.

FOSTER AXES

Black, Scratches finish. Price, \$1.65.

BLACK JACKET

Ebony, natural finish. Price, \$1.75.

BOYS' HANDLED AXES

26-in. Price, \$1.50.

HOUSE AXES

Price, \$1.25

Steel Scraper with Runners

No. 1 carries 7 ft.
of earth.....\$11.75

No. 2 carries 5 ft.
of earth.....\$11.50

No. 3\$11.00

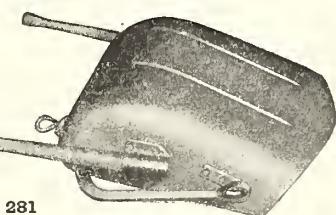


Fig. 281

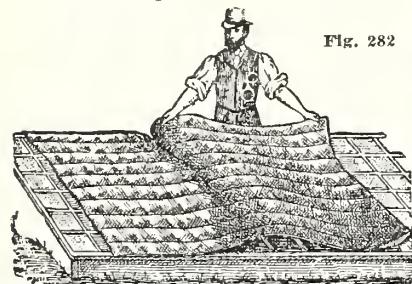


ROSS BROS. CO.

Seeds and Implements

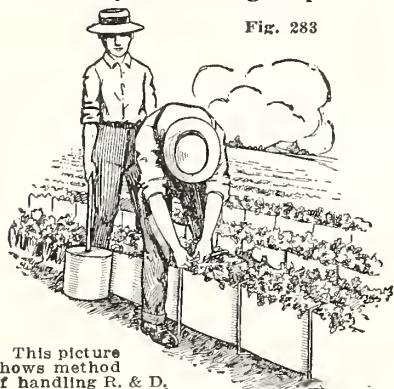


Burlap Hotbed Mats



Made of burlap filled with hair felt, 76x76. Preferred by many market gardeners to the straw mats. Each, \$3.25. Waterproof, 76x76. Each, \$4.75.

Celery Bleaching Paper



This picture shows method of handling R. & D. Bleacher. No heavy boards to carry or dirt to shovel.

A Bleaching material that saves TIME, LABOR, MONEY. An improvement over boards and other bleaching material.

Rolls are 10 inches and 12 inches wide. Rolls contain 100 feet and weigh only 30 pounds.

10-in. (100 running feet), per roll, \$3.10. 12-in. per roll, \$3.50.

A tasteless, odorless, indestructible water proof material especially prepared to withstand extremes of heat and cold.

Price includes wires or arches.

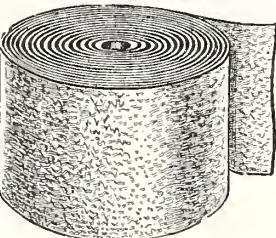


Fig. 284

Richmond Plant Tubs

Painted green, rd. wire hoops.



Fig. 285

No.	Top Dia.	Bottom Dia.	Depth	Weight, lbs.	Price
1	6	5	6	1	\$0.75
2	7	5	7	1 1/4	.85
3	8	6	8	2 1/2	1.00
4	9	7	9	2 3/4	1.10
5	10	7 1/2	9	3	1.25
6	11	8 1/2	10	4	1.40
7	12	9	11	4 1/2	1.85
8	13	10	12	5 1/2	2.25
9	14	11	13	7	2.50
10	15	11 1/2	14	8	2.65
11	16	12 1/2	15	9	3.00
12	17	13 1/2	16	12	3.50

A. B. C. Plant Protector

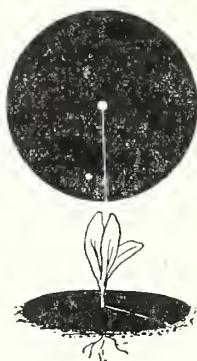


Fig. 286

This illustration shows the A. B. C. Tarred Felt Pad used to protect Cabbage, Tomato and other plants from cut-worms, maggots, and insects that will destroy plants. Easy to apply. They lie on the top of the ground and can be used either for outdoor or greenhouse use. Excellent for protecting carnations from cut-worms. Especially adapted for Cabbage and Tomato outside. They will save practically the entire crop of Cabbage if used at the time plants are set. The cut-worms and other insects do not like the smell. Only the best tarred felt is used and great care is taken to accurately cut the pads so no defects will allow the fly to deposit the egg, which does the damage. Packed 1,000 in good strong fibre box. Price, 1,000, mailing wt., 10 lbs. \$2.50 25,000 lots.

Plant Trellises

Postage, extra. 10c



Fig. 287
20-in. stick.
3 1/2-in. wide.
Each ... \$0.25

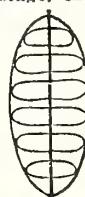


Fig. 288
24-in. stick.
7 1/2-in. wide.
Each ... \$0.60



Fig. 289
24-in. stick.
5-in. wide.
Each ... \$0.35

Plant Sticks

For pot or garden use: square, painted green.

Each	100
1 ft.	\$0.02
1 1/2 ft.	.02 1/2
2 ft.	.04
2 1/2 ft.	.06
3 ft.	.08
3 1/2 ft.	.10
4 ft.	.12
5 ft.	.18
6 ft.	.20



VERANDA TRELLIS

High	Width	Each
3 ft.		\$1.25
4 ft.		1.75
5 ft.	18 in.	2.25
6 ft.	18 in.	2.75
8 ft.	18 in.	3.75
10 ft.	20 in.	4.75
12 ft.	20 in.	5.50

Doz.	... \$0.50
100	2.50

Fig. 290

Fig. 291

"Peerless" Glazing Points

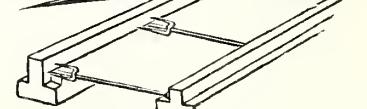


Fig. 292

PEERLESS GLAZING POINTS, Improved
Van Reyper. Weight per box, 2 lbs.
Per box, 1,000 points. \$0.90



Fig. 293

Tomato Supports

34 in. high, 20 in. in diameter at the top.

Price, 35c each, \$4.00 per doz.

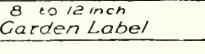
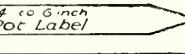
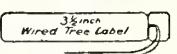


Fig. 294

Tree Labels

Copper wire, 3 1/2 inches. Weight, 5 lbs. Per 1,000. \$3.00

Pot Labels

4 inch	5 lbs.	100	1,000
6 in.	5 lbs.	.25	.85
4 lbs.		\$0.20	\$1.85
5 lbs.		.25	2.85

Garden Labels

8 in.	14 lbs.	100	1,000
10 in.	17 lbs.	1.00	\$7.50
14 lbs.		\$0.85	\$7.50
17 lbs.		1.00	9.00

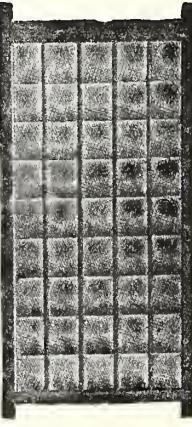
Hot Bed Sash

Fig. 295

3x6x1 1/4 in., with sides projecting, glazed with thick glass painted two coats, \$5.50 each; in lots of 6 \$65.00 doz.

Can furnish unglazed and unpainted sash.

Straw hot bed mats (not shown) 6x6, each \$2.75.



EVERYBODY KNOWS Ross' Seed Grows

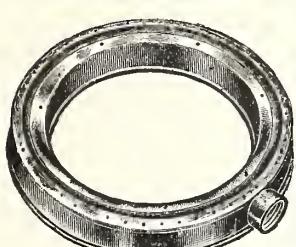


Fig. 296
The Ring Lawn
Sprinkler

Our "Ring" Lawn Sprinkler is made entirely of sheet brass and stamped into the form shown. Measures about 8 inches in diameter. The "Ring" throws a fine mist; covers a large circle and can be conveniently moved about without shutting off the water. Cannot be forced apart, even under the heaviest pressure. Weight, 1 lb. Price, 75c.

Garden Hose



Fig. 297

BULL-DOG HOSE (pictured above). For the very best hose that it is possible to buy, we recommend the Bull Dog, manufactured by the Boston Woven Hose & Rubber Co. A 7-ply hose unconditionally guaranteed by the manufacturers. Is made of the best quality of materials, which makes it last.

TIGER HOSE—6-ply, and for general purposes a very fine piece of goods.

LEADER HOSE—5-ply.

MILIO CORRUGATED MOLDED.

VIGILANT MOLDED.

SPRAY HOSE—The Bull Dog Spray Hose is made equally as well as the Bull Dog Garden Hose, built up to stand pressure up to 300 lbs. to the square inch. The inner core is made of specially prepared rubber to take care of the acids used in spraying, such as Scalecide, Lime of Sulphur, Arsenites, etc. Per ft., 28c.

TIGER SPRAY HOSE. Where hand power is used, a very economical hose for this purpose. Price, per foot, 20c.

Both of these spray hose come in $\frac{1}{2}$ -inch size, not coupled. In using with power it is quite necessary to have longer tall couplings, which are supplied extra at \$1.25 per coupling.

Wt., lbs. per 25 ft.	Price, cts. per ft.
Brand $\frac{1}{2}$ " $\frac{5}{8}$ " $\frac{3}{4}$ " Ply	$\frac{1}{2}$ " $\frac{5}{8}$ " $\frac{3}{4}$ "
Bulldog	10 .. 7 $18\frac{1}{2}$ 14
Tiger	6 .. 9 6 12 14
Goodluck	6 .. 9 5 10 $13\frac{1}{2}$ 12
Leader	6 .. 9 5 10 14 12
Milo	10 .. 10 .. 12 .. 14
Vigilant	7 .. 10 .. 12 .. 14

2-Purpose Rain King Nozzle



Fig. 308

The 2-Purpose Rain King has been tested and approved by home owners, park superintendents and landscape gardeners, and does the work of both the ordinary hose nozzle and stationary garden spray. Mailing wt. 2 lbs. Price, \$2.00.

Rain King Hose Nozzle



Fig. 309

This is the only hose nozzle without moving parts to wear, clog, or give trouble. The different sprays are obtained by a new and unique principle. Throws more water farther than any other hose nozzle made. Mailing weight 2 lbs. Price each, \$1.50.

Little Midget Sprayer



Fig. 298

This is a small sized powerful atomizer for use in the home or poultry house. Very convenient for applying dust layers or disinfectants. Weight, 3 lbs. 35 cts. each.

The Acme Atomizer

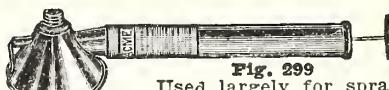


Fig. 299

Used largely for spraying cattle with the different mixtures on the market, to keep off the flies; spraying Paris Green and other insecticides in potato vines, shrubs, small trees, house plants, livestock and poultry. Price, tin, 60 cts.; with brass cup, \$1.00. Weight, 3 lbs.

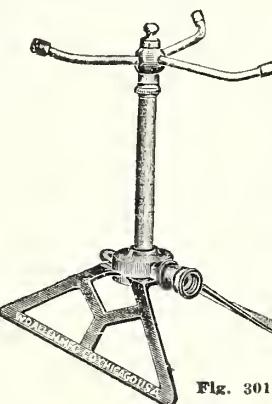


Fig. 301

CYCLONE LAWN SPRINKLER

Twelve inches high, made in fine workmanship manner. Weight, 5 lbs. Price, \$2.25.



Fig. 302
COOPER HOSE MEN-
DER. (All brass.) $\frac{1}{2}$ -in.
and $\frac{3}{4}$ -in., 10 cts. each; 90
cts. doz. Postpaid.



Fig. 303
SURE GRIP HOSE
BAND, $\frac{1}{2}$ -in. and $\frac{3}{4}$ -in., 3
cts. each; 2 for 5 cts. Post-
paid.

Boston Spray Nozzle

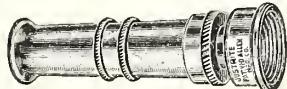


Fig. 304

Will throw a spray, a large or a small solid stream. Price, 75 cts. 80 cts. postpaid.

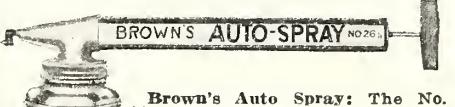


Fig. 300 BROWN'S AUTO-SPRAY
26AG with glass tank. It can be easily cleaned. When different type of solution is to be sprayed, the operator can always tell how much liquid is in the sprayer. Mailing weight, 4 lbs.

Price, 26AG, Glass.....\$1.25
26C, Brass.....1.50

Zenith

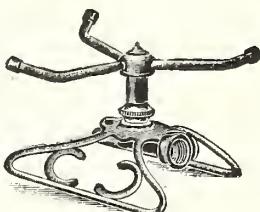


Fig. 305

REVOLVING LAWN SPRINKLER

4 $\frac{1}{2}$ in. high, low down, does not vibrate. Polished brass arms and head, japanned base. Weight, 3 lbs. Price, \$1.00.

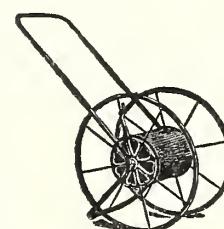


Fig. 306

TUBULAR METAL HOSE REEL

The most durable reel made. Holds 100 feet of hose.

Price, \$3.00

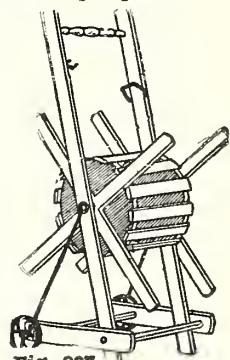


Fig. 307

A handy and well-made Hose Reel, mounted on wheels, can be easily moved from one place to another. Hose should always be wound on a reel, as it prevents it from rotting. Price, \$1.75.

Rain King Lawn Sprinkler

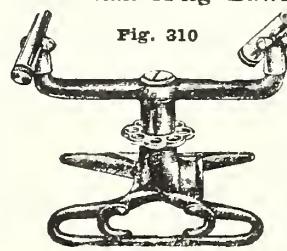


Fig. 310

Different from any other sprinkler made, any combination of sprays—circular, stationary, fine, coarse, large or small. Takes care of them all. Nozzles turn in any direction. Will throw a spray from 8 to 70 feet long, diameter according to pressure. Price, \$3.50.

Weight 4 lbs.



ROSS BROS. CO.

Seeds and Implements



The Ideal Power Lawn Mower fills a long-felt want, for it works on an entirely different principle from most power lawn mowers. The cutting cylinder operates entirely independent of the truck, as the mower is pushed the same as any hand mower and is as near fool-proof as any machine can be. Other methods of operating have proven themselves a failure. Experience has taught us that the obstructions which the mower will pick up on the lawn break under the old method where the cutting reel is driven direct. This cannot occur with the Ideal operated, as it is without any chain or gear connection with the mower.

Specifications—Width cut, 30 inches; diameter mower wheel, 11 inches; number of cutting blades, 5; weight, 610 pounds; diameter roller, 14 inches.

Price, \$385.00; extra cutting reel, \$63.00; riding attachment, \$25.00.

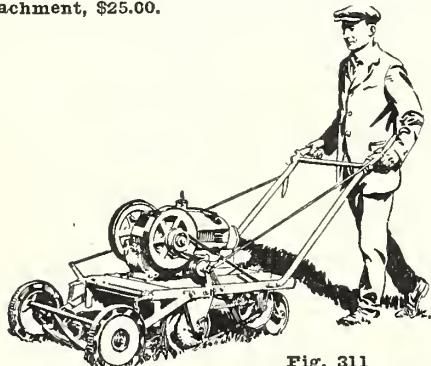


Fig. 311

Ideal Power Lawn Mower

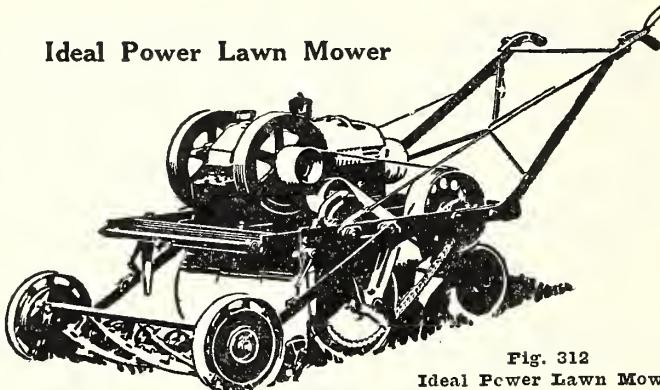


Fig. 312

Ideal Power Lawn Mower

Ideal Junior Lawn Mower

The Ideal Junior will nicely care for two or three acres of grass and will prove a paying investment in caring for lawns as small as 150 to 200 feet square. It is a machine especially well adapted to the work in cemeteries.

Price, \$265.00; extra cutter, \$52.00.

Junior Specifications—Diameter of Drive Roller, 10 inches; corrugated rollers; width of cut, 22 inches; diameter of drive wheel, 10½ inches; number of blades, 5.



Fig. 313

Ideal "Twenty" Power Mower

The Ideal "Twenty" is a power mower that instantly meets a fast growing demand for a thoroughly reliable machine for use on grounds too large to be conveniently cut with hand mowers.

It is designed for practical economy on small lawns, representing both low cost of operation as well as a small investment.

Price \$195.00



Fig. 314

Ideal "Twenty-Five" Power Mower

The IDEAL "TWENTY-FIVE" is a mower that will soon pay its cost on any large lawn, yet its greatest utility is in cemetery work and for use on lawns and parks where there are steep grades to climb. Being extremely simple in design, it is a mower that anyone can easily operate and care for. Very sturdy in construction, plenty of power for the hardest work and built for years of service.

Price \$290.00

Ideal Horse-Drawn "Bull Dog" 3-Unit Mower

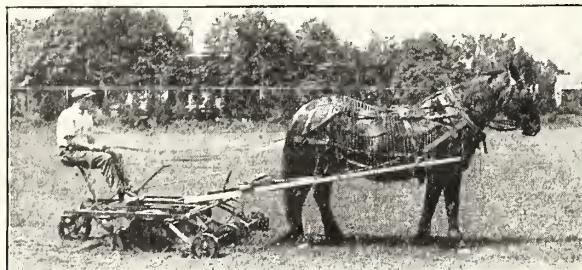


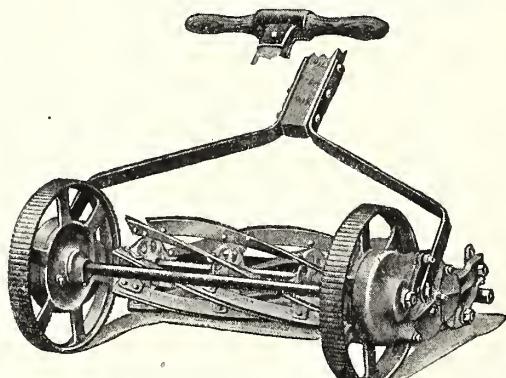
Fig. 315

This 3-Unit Mower cuts 84 inches and is the same high-grade mower as the Ideal Power Mower. We consider this the best horse-drawn lawn mower on the market today.

Price complete with thills, \$420.00.

Shipping weight, 1,365 pounds.

The Ideal Greens Mower



FINE
GREENS
DESERVE
A
GOOD
MOWER

Fig. 316

The Ideal Greens Mower was designed to meet the present day demand for a high-grade, close cutting, easy running mower for use on modern golf greens where accuracy and close work are the prime essentials.

Price, 18-inch Hand Putting Greens Mower, \$38.00.
Extra for metal Grass Catcher, \$8.50.

EVERYBODY KNOWS Ross' Seed Grows Hand Lawn Mowers

The Knollwood Jr. Ball Bearing High-Wheel Spade-Handle Lawn Mower

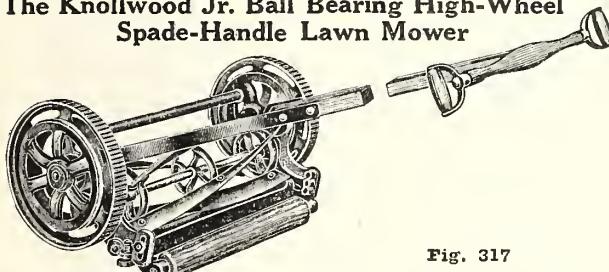


Fig. 317

We offer our customers this machine, not as an experiment, but as a guaranteed article, one that we have tested ourselves during the past 10 years, and know what we are talking about. This machine runs on ball bearings (and all first-class machines ought to). The balls are of the very best quality and will last for years. They are enclosed in steel cups, which protect them from wear. The main axle is steel and lathe fitted and is adjusted as nice as any high-priced piece of machinery. The end of the axle where it comes in contact with the balls is cone-shaped, and any possible wear can be easily taken up. The machine has a nine-inch wheel, four knives of the best quality of steel and, last but not least, a handle that is made to fit your hands. See the spade handle (in cut). After giving you the best mower it is possible for us to get, we have put on it a handle we have been looking for. With this Spade Handle the operator has perfect control over the machine and can handle it perfectly on a side hill or on narrow borders. We agree to take back any machine that is not satisfactory after a fair trial. This machine is the best one on the market for private homes; it is especially adapted for parks, cemeteries and large lawns.

14-inch, \$12.50; 16-inch, \$13.15; 18-inch, \$13.90; 20-inch, \$14.60

The Little Giant Lawn Mower

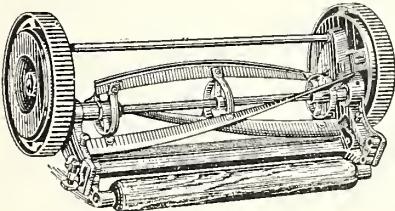


Fig. 318

For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut, we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as high-grade machines and, being a light-running mower, is preferred by many to the higher grade styles. We warrant every machine and have never had to replace one. 8-inch wheels.

Net prices: 12-inch, \$6.75; 14-inch, \$7.15; 16-inch, \$7.50; 18-inch, \$8.00.

The Capitol Lawn Trimmer

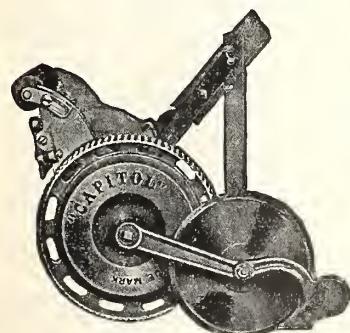


Fig. 319

The Capitol Lawn Trimmer and Edger does what lawn mowers leave undone. It trims and edges your lawn with remarkable speed and perfection; the shield over the blades protects the flowers. A trial will convince you, as it has thousands of others, that the day of shears, clippers, etc., is past. Four crucible steel blades, six inches in length, tempered in oil, swivel bushings, double adjustment.

Price: Plain, \$10.00;
Complete with Edger, \$11.00.

Knollwood Grand Lawn Mower

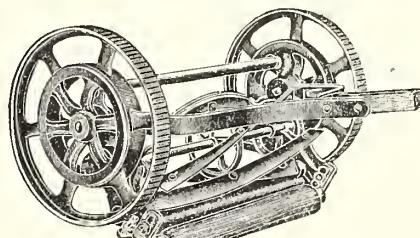


Fig. 320

To our already complete line of lawn mowers we have added one additional, known as Knollwood Grand. This is an improved type of Knollwood Jr., which we have sold for the last 10 or 15 years. This mover has a 1-inch higher wheel, or an 11-inch wheel, with extra blade. Where anybody wishes their lawn cut very close, we think this is a decided advantage. Every mower is guaranteed and should it prove otherwise we will refund your money or supply you with another machine. We will make the customer absolutely satisfied. This guarantee is given not only by ourselves but by the manufacturers.

Price: 16-inch, \$15.00; 18-inch, \$16.50; 20-inch, \$18.00.

Rossmoyne Lawn Mower, Nine-Inch Wheels

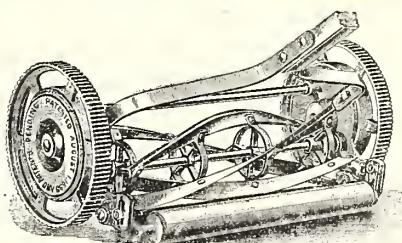


Fig. 321

This machine has four knives, high wheels. It runs on ball bearings of the same quality as those used on other machines. It is a first-class, medium-priced mower. All parts are fitted on a lathe, and we warrant every machine we sell. For a medium-priced machine, you will make no mistake in buying this one.

14-inch, \$11.10; 16-inch, \$11.75; 18-inch, \$12.25; 20-inch, \$13.00.

Easy Emptying Grass Catcher

Galvanized sheet steel bottom, heavy weight duck sides. The sides are firmly fastened to the bottom by three folds of steel. This protects against any possibility of the canvas ripping along the bottom edge. The last fold in the metal stands upright, and holds the bottom rigid.

Finished with convenient, well-balanced, Easy Emptying Handle. Projections on the bottom prevent grass from slipping forward while mowing.

Price:
10G. For size mower
12-18 in. \$1.75
12G. For size mower
18-22 in. 2.00

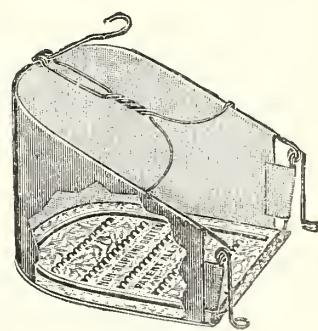


Fig. 322



ROSS BROS. CO.

Seeds and Implements



List of Standard Pots, Pans and Saucers

Inside measurement, width and depth equal

In.	POTS		SAUCERS		BOTH		100
	Ea.	Doz.	Ea.	Doz.	Ea.	Doz.	
3	\$0.05	\$0.35	\$2.50	\$0.05	\$0.30	\$0.08	\$0.60
4	.07	.55	4.00	.05	.35	.19	.80
5	.10	.75	7.00	.05	.50	.39	1.25
6	.12	1.25	10.00	.07	.70	.58	1.75
7	.20	2.25	17.50	.10	.95	.78	2.75
8	.30	3.25	25.00	.12	1.75	10.72	3.75
9	.40	4.25		.18	1.80		5.50
10	.60	6.25		.20	2.25		7.50
11	1.00			.25			1.15
12	1.25			.28			1.35
13	1.35			.35			1.55
14	1.75			.45			2.00
15	2.75			.55			2.85
16	3.90			.75			4.20



Fig. 323



Fig. 324

BULB PANS

	Each	Doz.	100
6 inch	\$0.15	\$1.50	\$10.50
7 inch	.25	2.25	17.50
8 inch	.35	3.50	25.00
9 inch	.50	5.00	39.00
10 inch	.60	6.00	52.00
12 inch	1.00		
14 inch	1.75		

FERN PANS

	Each	Doz.	100
4" x 1 7/8"	\$0.08	\$0.80	\$ 7.00
4 1/4" x 2 7/8"	.10	1.00	9.00
5 1/2" x 2 1/4"	.15	1.50	11.00
6 1/4" x 2 1/2"	.18	1.75	13.00
7" x 2 1/2"	.20	2.25	15.00
8" x 3 3/8"	.25	2.75	21.00
9" x 3 1/4"	.30	3.25	25.00

Neponset Waterproof Paper Flower Pots

These pots are nested and packed in cases of 1,000 each, except 4, 5 and 6-inch sizes, which are put up in cases of 500 each.



Fig. 325

	Wt. per 1,000, lbs.	100	1,000
2 1/4 inch pots	.12	\$0.50	\$ 2.60
2 1/2 inch pots	.16	.60	4.15
3 inch pots	.24	.75	5.65
3 1/2 inch pots	.34	.95	7.30
4 inch pots	.46	1.25	9.20
5 inch pots	.74	2.00	14.25
6 inch pots	.102	2.50	19.00

The Box That Makes the Plant Grow

GALVANIZED STEEL WINDOW BOX, painted green with water receptacle—an ornament to any house. Also used with best results in the cemetery or for Living Bouquets. 30 in. long, 8 1/2 in. wide and 6 1/4 in. deep \$1.75
36 in. long 2.50

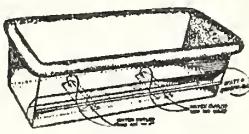


Fig. 326

Dietz Lanterns

"LITTLE WIZARD"



Fig. 327

(Cold Blast)
1 1/2 in. "Little Wizard"
Loc-nob
Globe, 6 C.
Power.
Burns 18
hours.
Bright tin.
Weight, 3
lbs. Price,
\$1.00.

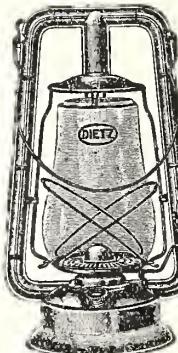


Fig. 331

"MONARCH." 13 1/2 in. high,
5/8-in. wick, "Fitzall" (No. 0)
Globe. 4 C. Power. Burns 19
hours. Bright tin. Wt., 3 lbs.
Price, 95 cts.

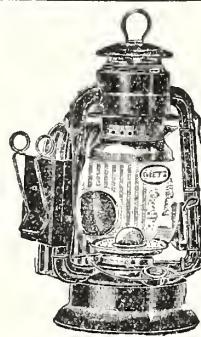


Fig. 328

ROADSTER WAGON, with
Ruby Rear Signal (Cold Blast).
12 inches high. 5/8-inch Wick.
"Junior" Globe. 10 C. Power.
Burns 13 hours. Black enamel
finish. Weight, 4 lbs.
Price, \$1.75



Fig. 329

"EUREKA"
DRIVING, with
Ruby Rear Signal (Hot Blast).
7 1/4 inches high.
5/8-inch Wick.
Plain Lens—3
C. Power. Optical Lens—5 C.
Power. Burns 10 hours. Black
enamel finish with nickel-
plated door rim.
Wt., 2 lbs.

Price, \$2.00

Butter Jars and Covers

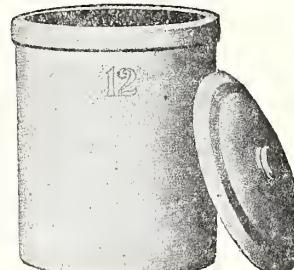


Fig. 330

The ideal package for keeping
butter and putting down eggs
in water glass; also fruits and
vegetables.

1 gal.	\$0.40	5 gal.	\$1.40
2 gal. . . . .	.60	6 gal.	1.60
3 gal. . . . .	.90	8 gal.	2.42
4 gal.	1.10	10 gal.	2.86



Fruit Jars

Atlas E-Z Seal
Doz.
2 qt. \$1.75
1 qt. 1.25
1 pt. 1.00
1/2 pt. 95



Atlas Mason
Doz.
2 qt. \$1.50
1 qt. 1.00
1 pt. 90



Bean
Pots
with
Cover

EVERYBODY KNOWS

Ross' Seed Grows

Metal Rim One Quart Berry Baskets

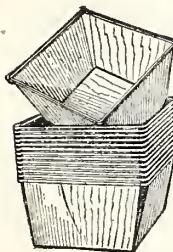


Fig. 335

Saving of 60% in storage.

No sharp or rough points from stapling or tacks.

Pack in crates much easier; rims do not catch each other. Show more surface on top and give fruit better appearance.

Every basket made accurate and same size.

Weigh about one-half as much as the old-style basket.

Each crate contains 2,000 baskets. Price, \$8.75 per M.; per 100 \$1.25; add for postage, 25 cts.

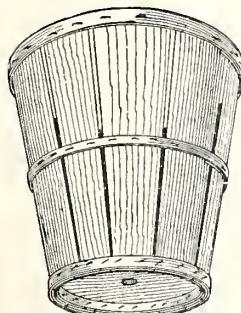


Fig. 336

14-Qt. MASS. STANDARD IMPROVED BOTTOM PEACH BASKET

Each stave on the basket is secured to the hoops by 6 double pointed staples, which makes the basket much more rigid.

Per 100.....\$ 8.00
Per 1,000....70.00

14-Qt. MASS. FLAT BOTTOM
Per 100.....\$ 7.50
Per 1,000....68.00

FOUR-QUART PONY BASKET



Fig. 337

4-qt. with wooden bottom. 100, \$7.50; 1,000, \$65.00.

(For Retail and Roadside Trade)

WIRE BAIL ROADSIDE BASKETS
4 qt., per 100, \$8.50; per 1,000, \$78.00.

BAMBOO GROCERS' DELIVERY Extra Heavy Fig. 338



(With Block)

No.	Size	Dimensions	Price
1	1 pk.	18x11x6	\$1.00
2	1/2 bu.	20x12x6 1/2	1.10
3	3/4 bu.	22x14x7	1.15
4	1 bu.	24x14x9	1.35
5	1 1/2 bu.	25x16x10	1.50

OAK MARKET BASKETS

(With Wood Handle)

Same dimensions and prices as above.

BERRY BASKETS

All white, \$9.50 per 1,000; Economy Brand \$8.50 per 1,000; 10,000 lots, 25 cts. less per 1,000. Close corner (for blueberries), \$9.75 per 1,000.

Oval pints, \$8.50 per 1,000.

Berry Baskets, per 100, \$1.25; add for postage 25 cts.

FOUR-QUART VIRGINIA TILLS

For roadside containers. Per 100, \$2.60; per 1,000, \$25.00.

VERBENA AND PANSY BASKET

With Wire Handle.

Used largely for pansies. 100, \$2.50; postage extra, 30 cts.; 1,000, \$23.50.



Fig. 339

POUNDED ASH BASKET

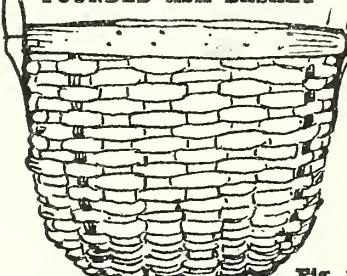


Fig. 344

Hand made baskets. Made of pounded ash, all clean white stock. Will outlast the common machine made baskets. Order one of these baskets and be convinced you are getting the best basket in the market at the present time.

Prices: Fig. 345

1 bushel	\$1.75
1/2 bushel (drop ball)	1.40

OXFORD OAK BASKET

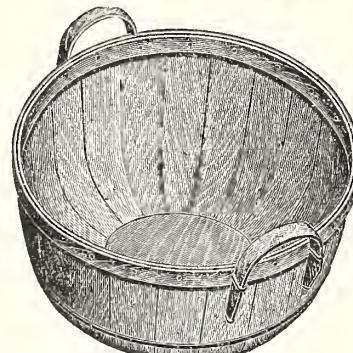


Fig. 341

1 bushel, as above.....\$1.00
1/2 bushel, drop handle.....85

1/4 bushel, drop handle.....75

A very serviceable basket, and the 1/2 bushel is the best basket for picking peaches, as it does not bruise the fruit.

WET WASH CLOTHES BASKET

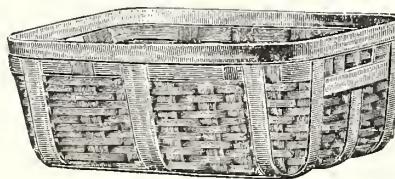


Fig. 342

No.	Dimensions	Price
2	25x16x10	\$1.55
3	27x18x10	1.75
4	30x20x11	2.00
5	32x22x12	2.40

DIAMOND MARKET BASKET

A cheap all 'round basket; good for everything; indispensable in every household. 20 cts. each, \$1.80 per doz.



Fig. 343

WOVEN PICK-ING BASKET

1/2-bushel drop bail.

Each, \$1.00

Fig. 347



COVERED LUNCH BASKETS

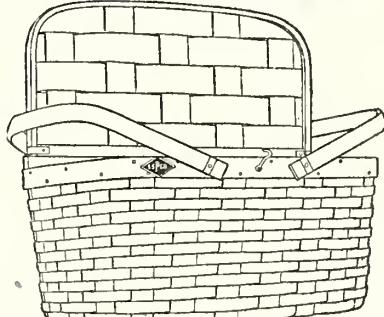


Fig. 348

1	9x6x5	\$0.65	4	14x8x6	\$0.90
2	10x7x6	.75	5	16x9x7	1.05
3	12x8x6	.80	6	18x10x8	1.20



ROSS BROS. CO.

Seeds and Implements

Worcester Senior Cider Mill

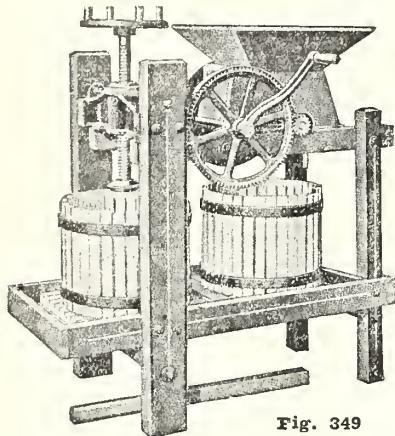


Fig. 349

The most up-to-date and best mill on the market.

Meets the demand where large capacity is wanted. Powerfully built with heavy hardwood frame strongly bolted together, best grade of iron and steel in working parts. Furnished with two tubs 14 in. high by 17 in. diameter, fitted with 2 cranks.

This mill, as are all of the Worcester Mills, even to the special small capacity mill, has "POSITIVE FORCE FEED." The grinding mechanism consists of a hardwood cylinder in which is securely imbedded a series of steel knives for cutting and grating the

fruit. Capacity, 6 to 12 bbls. of cider per day. Weight, 330 lbs. Price, \$44.00.

5% Discount for Cash MEDIUM AND JUNIOR MILLS

Absolutely forced feed, constructed in a heavy manner, frame strongly bolted together.

These mills, as in other Worcester Mills, have a grinding cylinder which consists of a hardwood cylinder with steel knives, which makes the best possible cutter and grater. No iron comes in contact with the fruit, which does not discolor the cider.

Both the Junior and the Medium Mills are built on the same principle as the Senior Mill pictured above and are guaranteed absolutely satisfactory in every way, both by the manufacturers and ourselves.

The Medium is furnished with two tubs 12 $\frac{3}{4}$ x 14 $\frac{1}{2}$; capacity, 4 to 6 bbls. per day. Weight, 215 lbs. Price, \$31.00.

5% Discount for Cash

The Junior mill with two tubs 10 $\frac{1}{2}$ x 11; capacity, 2 to 4 bbls. per day. Weight, 155 lbs. Price, \$25.50.

5% Discount for Cash

Worcester Special Cider Mill

A first-class single tub cider and wine press.

Frame is hardwood, working parts best grade of iron and steel with 1 $\frac{1}{8}$ -in. steel press screw.

Fitted with large balance wheel, making it run easy. Size of tub, 10 $\frac{1}{2}$ in. high by 11 in. diameter.

The Special Mill has the "Positive Force Feed" grinder, as have the other Worcester line of mills, wood cylinder, which does not discolor the fruit; capacity, 1 to 2 bbls. of cider per day. Weight, 130 lbs. Price, \$23.00. 5% Discount for cash.

All the Worcester Mills can be furnished with pulley for power at a slight additional expense.

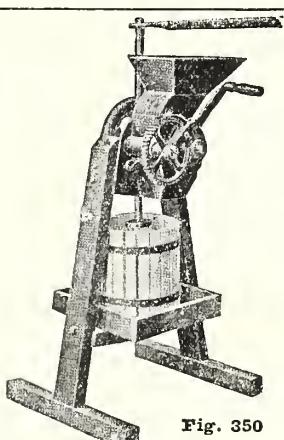


Fig. 350



Stone Jugs

1 gal....	\$0.25
2 gal....	.50
3 gal....	.75
5 gal....	1.25

Fig. 354

Glass Jugs

1 gal., each,	\$0.25
Ask for gross prices.	

Fig. 355

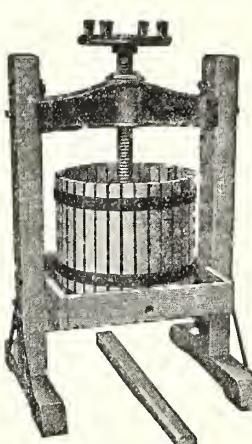


Fig. 351

	Height
No. 1	10 $\frac{1}{2}$ inches
No. 2	10 $\frac{1}{2}$ inches
No. 3	12 $\frac{3}{4}$ inches
No. 4	10 $\frac{1}{2}$ inches
No. 5	12 $\frac{3}{4}$ inches
No. 6	13 $\frac{1}{4}$ inches

5% Discount for Cash

No. A Fruit Press



Fig. 353

Worcester Oak Kegs and Barrels (Paraffined)



Fig. 352

New Kegs, every one warranted O.K.

	Each
5 gal.....	\$1.75
10 gal.....	2.40
15 gal.....	3.00
20 gal.....	3.25
25 gal.....	3.60
30 gal.....	4.00
50 gal. 8 Hoop.....	5.00

No. A Fruit Press meets the demand of those who have a comparatively small amount of fruit to press and is designed for use on a bench or table, an excellent press for home use.

The Frame is made of high grade hardwood which assures a strong, durable, substantial press at a low cost.

Capacity of tub about eight quarts.

Price \$4.50

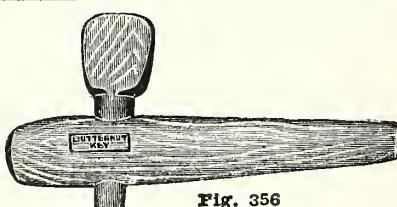


Fig. 356

Butternut Key Faucets

8 inch. Price each, \$0.25; postpaid.....\$0.30

Metal Key Faucets

8 inch. Price each, \$0.40; postpaid.....\$0.45

9 inch. Price each, .45; postpaid......50

Prices in this catalogue are subject to change without notice.

EVERYBODY KNOWS Ross' Seed Grows NOVELTY FRUIT PRESSES

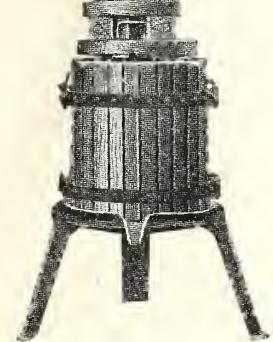


Fig. 357

We are illustrating a Fruit Press which has been the choice of the most discriminating buyers. Its point of superiority is easily discernible on casual inspection, only the best materials being used in the manufacture of these Fruit Presses.

The ball bearing ratchet system makes it very easy to operate. A child has the same pressure results as an adult. The two points where the strength rests are on the two steel plates having between them No. 1 steel ball bearings. The pressure working on ball bearings removes all friction and eliminates wasted energy. Otherwise the two surface points drag.

The wooden parts are made from seasoned oak, while the other parts are made from the best grade of metal. The base is made from substantial metal. A round disc of wood is placed upon the base to prevent the mash from coming in contact with metal.

SPECIFICATIONS

Number of Press	Dimension of Screw	Dimension of Base	Dimension of Staves	Diameter of Tub	Depth of Tub	Total Weight Lbs.	Capacity Bu.	Price
00	1 1/8"	13x14"	3/4 x 1"	10"	10"	75	1/2	\$15.00
0	1 1/8"	13x16"	3/4 x 1 3/4"	12"	13"	90	3/4	23.00
1	1 1/2"	13x19"	3/4 x 1 3/4"	15"	16"	120	1 3/4	27.50
2	1 1/2"	13x22"	3/4 x 1 3/4"	18"	18"	150	2	35.00
3	2"	15x24"	1 x 1 3/4"	20"	18"	165	3	42.50
4	2"	15x28"	1 x 1 3/4"	21"	20"	180	3 1/2	55.00
5	2"	15x28"	1 x 1 3/4"	24"	24"	200	4	75.00

ICE TOOLS

The Worcester Dairy Ice Plow

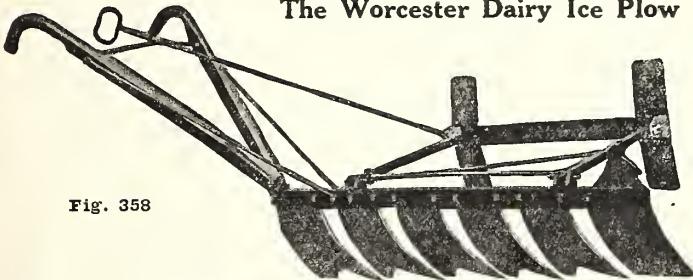


Fig. 358

These plows are manufactured especially for dairymen, farmers, butchers, country estates who wish the best possible tools for their use. Has five cutting teeth, one Clearer tooth. Will cut 2 inches at a time to a depth of 8 inches. Are guaranteed to give satisfaction. 8-inch Plow with adjustable guide and case, \$55.00.



Fig. 359

Zero Tank Heater

Galvanized Steel

This is a very popular type and very reasonable in price. Just the heater for small tanks and the stock raiser with only a few head of stock. It is made of No. 20 gauge galvanized sheet steel. Has cast top, galvanized steel bottom riveted and soldered. The grate is in two sections, the front resting on two legs. Grate and draft pipe can be taken out through the top. Furnished complete with shovel, one length of pipe, spark arrester and anchor bolts.

Diameter 15 in.
Height 24 in.
Weight 45 lbs.
Price \$8.50

Ice Hooks Boston Pattern



Fig. 360

Splitting Fork Ring Handle

2 tine....\$10.00 each
Splitting Chisel with
Ring Handle, \$5.00
each.

Caulking Bar, with
Ring Handle, \$5.00
each.

Boston Pattern Swell

Handle Ice Tongs

Every Tong Warranted

Mailing	Wt.	Price
16 1/2 inch	6 lbs.	\$2.50 pair
24 inch	8 lbs.	3.00 pair
26 inch	10 lbs.	3.00 pair



Fig. 361

INDEX

FARM, GARDEN AND FLOWER SEEDS, BULBS AND PLANTS

Page	Page	Page	Page	Page					
Achillea	46	Castor Beans	49	Dolichos	52	Lavatera	55	Pyrethrum	61
Acorolinium	46	Cauliflower	27	Dracaena	52	Lavender	30	Radish	38, 39
Aduimla	46	Celeriac	27	Egg Plant	29	Leek	30, 31	Rainbow Corn	50
Adonis	46	Celery	27	Endive	27	Lettuce	30, 31	Rape	3, 17
Ageratum	46	Celosia	49	Euphorbia	53	Lilies	67	Rhodanthine	61
Agrostemma	46	Centaurea	49	Eschscholtzia	52	Linum	55	Rhubarb	17, 39
Alfalfa	8	Chervil	27	Fennel	29	Lobelia	58	Rocket	61
Alyssum	46	Chicory	29	Flax	17	Lupin	55	Rudbeckia	61
Amaranthus	46	Chinese Woolflower	49	Flower Collection	66	Lychnis	56	Rye	10
Anchusa	46	Chives	29	Forget-Me-Not	53	Madeira Vine	66	Salpiglossis	61
Anemone	46	Chrysanthemum	49	Four O'Clock	53	Mangel-Wurzels	23	Salvia	39
Anthemis	46	Cineraria	48	Foxglove	52	Marigold	56	Scabiosa	62
Antirrhinum	17, 46, 47	Cinnamon Vine	66	Fringe Flower	62	Mariola Bicornis	56	Schizanthus	62
Aquilegia	47	Clarkia	50	Gaillardia	53	Matricaria	56	Seeds for Flavoring	17
Arabis	47	Clematis	50	Geranium	53	Melon	32, 33	Sensitive Plant	62
Aristolochia	47	Cleome	50	Gloadiolus	68, 69	Mignonette	56	Silene	62
Artichoke	18	Clovers	6-7	Globe Amaranth	53	Millet	7	Smilax	62
Asparagus	18	Cobaea	50	Gloxinia	53	Mimulus	56	Snapdragon	17, 46
Asparagus, Ornamental	47	Cockscomb	49	Godetia	53	Moonflower	56	Spider Plant	50
Asperula	47	Coix Lachryma	50	Gourds	53	Morning Glory	50, 57	Spinach	39
Asters	17, 44, 45	Coleus	50	Grasses	3-6	Mushrooms	33	Squash	40
Baby's Breath	54	Collards	50	Grevillea	54	Nasturtium	57, 58	Statice	62
Balloon Vine	47	Collinsia	50	Gypsophila	54	Nemesia	58	Stock	62
Balsam	47	Convolvulus Minor	50	Helenium	54	Nemophila	58	Stokesia Cyannea	62
Barley	8	Coreopsis	50	Helichrysum	54	Nicotiana	58	Strawberry Plants	67
Bartonia Aurea	47	Corn, Dent	11, 12	Heliopsis	54	Nigella	58	Sudan Grass	7
Beans, Garden	19, 22	Corn, Flint	12, 13, 14	Heliotrope	54	Oats	9	Sunflower	10, 17, 62
Beans, Ornamental	47	Corn, Kaffir	17	Hemp	17	Okra	33	Sweet Peas	62, 64
Beans, Soy or Soja	10	Corn, Pop	17	Herbs	17	Onion	33, 34	Sweet William	65
Beet	22, 23	Corn, Sweet	15, 16	Heuchera	54	Onion Sets	33	Thunbergia	65
Bellis Perennis	47	Corn, Sweet Fodder	11	Hibiscus	54	Pansies	17, 59	Tobacco	42
Bird Seed	17	Cornflower Aster	62	Hollyhock	54	Parsley	34	Tomato	17, 41
Brachycome	47	Cosmos	17, 50	Hop	55	Parsnip	34	Tritoma	65
Broccoli	18	Cress	29	Humulus	55	Peanuts	34	Tuberoses	66
Browallia	47	Cucumber	28	Hunnemannia	55	Peas, Field	9	Turnip	42
Brussels Sprouts	18	Cyclamen	51	Iberis	55	Peppers	17, 36	Vegetable Collection	17
Buckwheat	8	Cypress Vine	51	Ice Plant	55	Petunia	59	Verbena	65
Cabbage	24, 25	Dahlia	51, 70, 71	Ipomea	55	Phlox	60	Vetch	10
Calendula	17, 48	Daisy	51	Jerusalem Cherry	55	Platycodon	60	Viola Cornuta	65
Calliopsis	48	Dandelion	51	Job's Tears	50	Polemonium	60	Wallflower	65
Canary	17	Datura	51	Kale	30	Portulaca	61	Wheat	10
Canary Creeper	48	Delphinium	51, 52	Knock	55	Pumpkin	33	Wild Cucumber Vine	65
Candytuft	48	Dianthus	52	Kohl Rabi	30	Primula	61	Wild Flower Garden	66
Cannas	48, 67	Didiscus	52	Kudzu Vine	55	Pumpkin	33	Mixture	66
Canterbury Bells	48	Digitalis	52	Lantana	55	Zinnia	17, 65, 66		
Carnation	48	Dill	29	Lathyrus Latifolius	55				
Carrot	26								

TOOLS, INSECTICIDES, FERTILIZER AND GENERAL FARM REQUISITES

Page	Page	Page	Page	Page			
Ammonia, Sulphate	72	Hoes, Strawberry	117	Pots, Bean	124	Sifters, Ash	113
Antrol	107	Hoes, Wheel	84-85	Pots, Flower	124	Silo	88
Ashes	72	Cutters, Bouquet	117	Pots, Neponset Paper	124	Snarol	107
Atomizers	121	Cutters, Vegetable	102	Pots, Watering	116	Snaths	116
Axes	116-119	Cutters, Victor Lever	101	Poultry Supplies	90-91-92-93-97	Soiltex	72
Bag Balm	102	Cyanogas	107	Preservative, Egg	97	Sowers, Fertilizer	81-82
Bands, Leg	93	Dibbles	117	Presses, Fruit	126-127	Sowers, Seed	83
Barn Equipment	89	Diggers, Potato	78	Protectors, Plant	120	Spats, Butter	106
Bars, Steel Crow	119	Distributors Fertilizer	127	Pruners	114-115	Sprayers	107-108-109
Basins, Buckley	105	Drills	81-82	Pullers, Stump	119	Sprinklers	121
Baskets	125	Dryers, Clothes	112	Pulverizers	35	Sprouters, Oat	93
Beiting	88	Dusters	73-74-107-109	Pulvules	97	Stalls	103
Binders, Corn	88	Dusting Materials	74	Punch, Poultry	93	Stanchions	102-103
B-K Solution	97	Edger, Grass	85	Pumps	118	Sterilac	97
Blowers, Blizzard	88	Edger, Turf	117	Pumps, Spray	108-109	Sticks, Plant	120*
Boat Head	119	Emulsion, Barnes	90	Racks, Corner	102	Stim-U-Plant	107
Boats, Stone	119	Worm	90	Racks, Tool	112	Stormtight	100
Bone, Fertilizer	72	Engine	87	Raffia	17	Stoves, Putnam	93
Books, Poultry—		Faucets	126	Rakes	116	Strainers, Can	105
Back Cover		Feed, Conkey's But- termilk	94	Rakes, Drag	116	Supports, Tomato	120
Border, Flower Bed	99	Feed, Ful-O-Pep	96	Rakes, Lawn	117	Swings	99
Bottles, Milk	106	Feed, Pratt's Butter- milk	93	Rakes, 1 or 2 Horse	86-87	Tanks	118
Bowls, Butter	106	Feeders, Calf	112	Rax, Rat Poison	110	Teddies, Hay	86
Bowls, Pigeon	92	Feeders, Poultry	92	Reels, Hose	121	Testers, Egg	91
Bowls, Watering	103	Fertilizers	72	Milkers	104	Tethers	101
Boxes, Butter	105	Food, Old Trusty Dog	100	Mills, Cider	126	Thermometers	93
Boxes, Chick	91	Food, Plant	107	Molds, Butter	106	Thermometers	93
Boxes, Egg	90	Forks	116	Mowers, Lawn	123	Thermometers	93
Boxes, Feed	102	Forks, Garden	117	Mowers, Power Lawn	122	Thermometers	93
Boxes, Mail	112	Forks, Hay	89	Mowers, McCormick	86	Tractors	75-80
Boxes, Parcel Post	90	Fountains, Poultry	92-93	Mulford Culture	8	Traps	115
Boxes, Window	124	Fumigator, Nico Fume	107	Netting, Poultry	99	Traps, Fly	107
Brooders	90-91	Furrower	83	Nitrate of Soda	72	Traps, Rat	115
Brooms	116	Freezers	112	Nozzles	108-121	Trellises	99-120
Brushes, Bottle	106	Garden Sets	116	Pails, Milk	105	Trimmers, Hedge	115
Bunchers, Asparagus	118	Gloves	124	Paper, Butter	106	Trimmers, Lawn	123
Burners, Rubbish	113-117	Grinders, Knife	90	Paper, Celery	120	Trowels	116-117
Cans, Ash	113	Grindstones	87	Picks	119	Trucks, Farm	79
Cans, Milk	105	Grit, Poultry	97	Pickers, Fruit	117	Trucks, Feed	103
Cans, Mixing	105	Guard's Tree	101	Planet Jr. Tools	84-85	Tubs, Plant	120
Caponizing Sets	92	Gun, Powder	112	Planters, Corn	82-83	Twine, Binder	89
Caps, Bottle	106	Gun, Spray	108	Planters, Potato	82	Vernox	97
Carbola	97	Halters	106	Plaster, Land	72	Washers	112
Cards, Cattle	116	Handles, Saw	118	Plows, Ice	127	Water Glass	97
Carriers, Bottle	106	Heaters, Tank	127	Plows, Tractor	75	Weaners, Calf	118
Carriers, Litter	103	Hillers, Celery	85	Points, Glazing	120	Wedges	119
Catchers, Grass	123	Hoes	116	Poppers, Corn	112	Weeders	83-85-116-117
Chicks, Baby	91	Hoes, Horse	83	Posts, Fence	98	Wheelbarrows	119
Chisel, Grafting	117	Hoes, Prout	80	Potash, Muriate	72	Wire, Barb	98
Churns	104-106	Hoes, Silex	117	Potash, Sulphate	72	Wringers	112
Cleaners, Wyandotte	102			Shovels	119	Yarn, Tarred Lath	89
Clippers	104						
Coolers, Milk	105						
Coops, Brooder	93						
Cordial, Calf	102						
Crocks	124						
Croquet Sets	107						
Culti-Packer	76						
Cultivators	90-91-115						

Reference Table

GARDEN SEEDS

	Per Acre	Per Acre
Artichoke, 1 oz. to 500 plants.....	1/2 pound	1 1/2 pounds
Asparagus Seed, 1 oz. to 800 plants.....	4 "	4 "
Asparagus Roots.....	2500 to 7000	
Beans, Dwarf, 1 pound to 100 ft. of drill.....	60 pounds	
Beans, Pole, 1 pound to 100 hills.....	30 "	
Beet, Garden, 1 oz. to 100 ft. of drill.....	6 to 8 "	
Beet, Sugar and Mangold, 1 oz. to 100 ft. of drill.....	5 "	
Broccoli, 1 oz. to 3000 plants.....	4 ozs.	
Brussels Sprouts, 1 oz. to 3000 plants.....	4 "	
Cabbage, 1 oz. to 3000 plants.....	4 "	
Carrot, 1 oz. to 150 feet of drill.....	2 1/2 pounds	
Cauliflower, 1 oz. to 3000 plants.....	5 ozs.	
Celery, 1 oz. to 10,000 plants.....	4 "	
Celeriac, 1 oz. to 10,000 plants.....	4 "	
Chervil, 1 oz. to 8000 plants.....	4 pounds	
Chicory.....		
Collards, 1 oz. to 5000 plants.....		
Corn, Sweet, 1/4 pound to 100 hills.....	12 "	
Cress, 1 oz. to 150 feet of drill.....	12 "	
Cucumber, 1 oz. to 50 hills.....	2 1/2 "	
Dandelion, 1 oz. to 260 feet of drill.....	2 "	
Dill, 1 oz. to 200 feet of drill.....	5 "	
Egg Plant, 1 oz. to 2000 plants.....	4 ozs.	
Endive, 1 oz. to 300 feet of drill.....	4 1/2 pounds	
Kale, 1 oz. to 3000 plants.....	4 ozs.	

GRAIN AND FORAGE CROPS

	Pounds per acre	Weight per bu.	Pounds per acre	Weight per bu.
Alfalfa.....	15-25	60	15-25	35
Barley, for grain.....	100	48	50-60	32
Barley, for forage.....	110	48	100	32
Beans, Soy or Soja.....	60-75	60	150-160	60
Buckwheat.....	50-75	48	Peas with Oats.....	90-100
Clover, Alsike.....	6-8	60	Rye for grain.....	60-75
Clover, Crimson.....	18-20	60	Rye for forage.....	80-100
Clover, Mammoth Red.....	10-12	60	Rape, Dwarf Essex, in drills.....	4-6
Clover, Medium Red.....	10-12	60	Rape, Dwarf Essex, broadcast.....	8-10
Clover, White Sweet.....	20	60	Sudan Grass, in drills.....	4-6
Corn, Flint for grain.....	15	56	Sudan Grass, broadcast.....	18-20
Corn, Dent for silage.....	20-30	56	Vetch, Spring, with one bushel small grain.....	40-60
Millet, Golden.....	50	50	Vetch, Winter or Hairy, with one bushel small grain.....	40-60
Millet, Hungarian.....	50	48	Wheat.....	90-120

GRASS SEEDS

	Pounds per acre	Weight per bu.	Pounds per acre	Weight per bu.
Awnless Brome.....	18-25	14	Rye Grass, English.....	50
Blue Grass, Canada.....	30-35	14	Rye Grass, Italian.....	60
Blue Grass, Kentucky.....	20-25	14	Rye Grass, Paceys.....	50
Creeping Bent.....	50	14	Red Top, Recleaned seed, Worcester Brand.....	40-50
Crested Dogtail.....	30	28	Red Top, Unhulled seed.....	70
Fescue, Hard.....	30	16	Rhode Island Bent.....	20-40
Fescue, Meadow.....	24	16	Rough Stalk Meadow.....	30-35
Fescue, Red or Creeping.....	30	16	Sweet Vernal, use only in mixture.....	
Fescue, Sheep's.....	40	16	Tall Meadow Oat.....	45
Fescue, Various Leaved.....	20-25	15	Timothy.....	12-25
Meadow Foxtail.....	30	8	Lawn Seed Mixture, Shady Spot.....	100-125
Orchard Grass.....	20-25	14	Lawn Seed Mixture, Worcester Brand.....	100-125
			Wood Meadow.....	25-30

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE

Distance	Number	Distance	Number
1 foot by 1 foot.....	43,560	6 feet by 6 feet.....	1,210
1 1/2 feet by 1 1/2 feet.....	19,260	8 "	680
2 " " 1 "	21,780	10 "	434
2 " " 2 "	10,890	12 "	302
2 1/2 " " 2 1/2 "	6,970	15 "	194
3 " " 1 "	14,520	18 "	134
3 " " 2 "	7,260	20 "	103
3 " " 3 "	4,840	25 "	70
4 " " 4 "	2,722	30 "	40
5 " " 5 "	1,742	40 "	27

A PRACTICAL POULTRY LIBRARY

Success in the poultry business is entirely within the grasp of anyone who will take the time to master its underlying principles. It is a science, not a game of chance.

We can furnish you a list of poultry books which give the different phases of poultry breeding and poultry keeping for profit. Whether you have a small coop or have thousands of fowls, it will certainly be of interest to you and in all probability to read any one of these books will be a source of profit. We have the following list which we can furnish:

Price, Postpaid

Profitable Culling and Selective Flock Feeding. By Homer W. Jackson.....	\$1.50
The Production of 300-Eggers and Better by Line Breeding. By M. E. Atkinson. Art Cover.....	2.00
Cloth Bound.....	3.00
Use of Artificial Light to Increase Winter Egg Production. By Grant M. Curtis.....	1.50
Poultry for Exhibition. By J. H. Robinson.....	2.00
High Egg Production. By Grant M. Curtis.....	2.00

Price,

Postpaid

Fundamental in Poultry Breeding. By John H. Robinson.....	\$2.00
How to Feed Poultry for Any Purpose with Profit. By John H. Robinson.....	1.25
Successful Back-Yard Poultry Keeping. By Homer W. Jackson.....	1.00
Poultry Houses and Fixtures. By Homer W. Jackson.....	1.00
Artificial Incubating and Brooding. By Homer W. Jackson.....	1.00
The Plymouth Rocks. By Wm. C. Denny.....	1.00
The Wyandottes. By J. H. Drevestadt.....	1.00
The Leghorns. By J. H. Drevestadt.....	1.00
The Orpingtons—Black, Buff, White and Non-Standard. By J. H. Drevestadt.....	.75
The Asiatics, Brahma, Cochins and Langshans.....	.50
American Standard of Perfection (cloth binding). By H. A. Nourse.....	2.50
The Wyandotte Standard and Breed Book. By H. A. Nourse.....	2.50
	2.50

